

# 病理組織写真編

## 病理組織所見一覽



Compound	Organ	Time point	Review finding(s)	Original finding(s)	Page
TGP-001 Acetaminophen	Liver	24 hr	Degeneration, vacuolar/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Vacuolar change of hepatocyte: central; Increased eosinophilia of hepatocyte: central	3
TGP-001 Acetaminophen	Liver	24 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular	Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central	3
TGP-001 Acetaminophen	Liver	24 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular	Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central	4
TGP-001 Acetaminophen	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular	Increase in mitosis of hepatocyte: centrilobular	4
TGP-001 Acetaminophen	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular	Increase in mitosis of hepatocyte: centrilobular	5
TGP-001 Acetaminophen	Liver	Day 4	Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular	Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central	5
TGP-001 Acetaminophen	Liver	Day 4	Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular	Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central	6
TGP-001 Acetaminophen	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Increase in mitosis of hepatocyte: centrilobular; Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central; Necrosis of hepatocyte: central	6
TGP-001 Acetaminophen	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Microgranuloma/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Increase in mitosis of hepatocyte: centrilobular; Increased eosinophilia of hepatocyte: central; Inflammatory infiltration: central; Necrosis of hepatocyte: central	7
TGP-001 Acetaminophen	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance of hepatocyte: central	7
TGP-001 Acetaminophen	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance of hepatocyte: central	8
TGP-002 Isoniazid	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	9
TGP-002 Isoniazid	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular	9
TGP-003 Carbon tetrachloride	Liver	6 hr	Degeneration, hydropic/Hepatocyte/centrilobular; Degeneration, fatty/Hepatocyte/Centrilobular	Degeneration, hydropic/Centrilobular	10
TGP-003 Carbon tetrachloride	Liver	Day 8	Degeneration, fatty/Hepatocyte/Centrilobular	Degeneration, fatty/Centrilobular	10
TGP-003 Carbon tetrachloride	Liver	Day 29	Fibrosis/Centrilobular; Degeneration, hydropic/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Centrilobular	Fibrosis/Centrilobular; Degeneration, hydropic/Centrilobular	11
TGP-004 Phenobarbital	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular	Increase, mitosis, hepatocyte	12
TGP-004 Phenobarbital	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy, hepatocyte, centrilobular	12
TGP-004 Phenobarbital	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance, hepatocyte, centrilobular	13
TGP-006 Clofibrate	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular	Swelling/Centrilobular	14
TGP-006 Clofibrate	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular	Degeneration, granular, eosinophilic/Centrilobular	14
TGP-008 Rifampicin	Liver	24 hr	Degeneration, vacuolar/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Midlobular	15
TGP-008 Rifampicin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	15
TGP-008 Rifampicin	Kidney	Day 29	Eosinophilic body/Proximal tubule, convoluted; Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Proximal tubule; Hyaline droplet/Proximal tubule	16
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	24 hr	Necrosis/Hepatocyte/Focal	Necrosis/Hepatocyte	17
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	24 hr	Necrosis/Bile duct/Periportal; Edema/Periportal; Cellular infiltration, neutrophil/Periportal	Necrosis/Bile duct	17
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 4	Change, eosinophilic/Hepatocyte/Periportal; Cellular infiltration, mononuclear cell/Periportal	Change, acidophilic/Hepatocyte	18

Compound	Organ	Time point	Review finding(s)	Original finding(s)	Page
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 8	Change, eosinophilic/Hepatocyte/Periportal; Cellular infiltration, mononuclear cell/Periportal	Cellular infiltration/Periportal	18
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 15	Cellular infiltration, mononuclear cell/Periportal	Fibrosis/Periportal	19
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 29	Proliferation/Bile duct/Periportal; Cellular infiltration, mononuclear cell/Periportal; Fibrosis/Periportal	Proliferation, bile duct/Periportal	19
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 29	Necrosis/Hepatocyte/Focal; Proliferation/Bile duct/Periportal; Cellular infiltration, mononuclear cell/Periportal	Necrosis (Focal)	20
TGP-009 $\alpha$ -Naphthylisothiocyanate	Liver	Day 29	Cellular infiltration, mononuclear cell/Periportal	Fibrosis/Periportal	20
TGP-010 Allyl alcohol	Liver	Day 8	Change, eosinophilic/Hepatocyte/Periportal; Microgranuloma/Periportal	Degeneration, acidophilic/eosinophilic/Periportal	21
TGP-010 Allyl alcohol	Liver	Day 15	Proliferation/Bile duct/Periportal; Fibrosis/Periportal	Proliferation, bile duct/Periportal	21
TGP-010 Allyl alcohol	Liver	Day 15	Accumulation, foam cell/Periportal; Deposit, brown pigment/Hepatocyte/Periportal; Proliferation/Bile duct/Periportal; Fibrosis/Periportal	Accumulation, foam cell/Periportal	22
TGP-010 Allyl alcohol	Liver	Day 15	Proliferation/Bile duct/Periportal; Necrosis/Hepatocyte/Focal; Fibrosis/Periportal	Fibrosis/Periportal	22
TGP-010 Allyl alcohol	Liver	Day 15	Necrosis/Hepatocyte/Focal; Fibrosis/Periportal	Necrosis/Periportal	23
TGP-011 Phenylbutazone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	24
TGP-011 Phenylbutazone	Kidney	9 hr	Congestion/Papilla	Congestion/Papilla	24
TGP-011 Phenylbutazone	Kidney	24 hr	Edema/Papilla; Degeneration, vacuolar/Collecting tubule/Papilla	Edema/Papilla; Degeneration/Papilla	25
TGP-011 Phenylbutazone	Kidney	24 hr	Edema/Papilla; Eosinophilic body/Collecting tubule/Papilla; Hyaline droplet/Collecting tubule/Papilla	Necrosis/Papilla; Deposit, pigment/Collecting tubule/Papilla	25
TGP-011 Phenylbutazone	Kidney	24 hr	Dilatation/Distal tubule, convoluted	Dilatation/Distal tubule	26
TGP-011 Phenylbutazone	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Renal tubule	26
TGP-012 Omeprazole	Liver	9 hr	Change, eosinophilic/Hepatocyte/Periportal	Change, eosinophilic/Periportal	27
TGP-012 Omeprazole	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	27
TGP-012 Omeprazole	Kidney	Day 29	Eosinophilic body/Proximal tubule, convoluted	Eosinophilic body	28
TGP-013 Ethionine	Liver	9 hr	Change, basophilic/Hepatocyte/Centrilobular	Change, basophilic/Diffuse	29
TGP-013 Ethionine	Liver	24 hr	Cellular infiltration, mononuclear cell/Centrilobular	Cellular infiltration/Centrilobular	29
TGP-013 Ethionine	Liver	24 hr	Change, eosinophilic/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Centrilobular	Change, eosinophilic/Portal; Change, eosinophilic/Centrilobular	30
TGP-013 Ethionine	Liver	Day 29	Change, basophilic/Hepatocyte/Centrilobular	Alteration, cytoplasmic	30
TGP-013 Ethionine	Kidney	Day 4	Degeneration, vacuolar/Proximal tubule, straight	Degeneration/Proximal tubule, straight	31
TGP-013 Ethionine	Kidney	Day 8	Regeneration/Proximal tubule, straight	Change, basophilic/Proximal tubule, straight	31
TGP-014 Aspirin	Liver	3 hr	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Swelling/Centrilobular	32
TGP-014 Aspirin	Liver	6 hr	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Swelling/Centrilobular	32
TGP-014 Aspirin	Liver	Day 15	Change, eosinophilic/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	33
TGP-015 Indomethacin	Liver	Day 15	Cellular infiltration, neutrophil/Subserosa; Necrosis/Hepatocyte/Focal; Increased mitosis/Hepatocyte/Diffuse (not shown in this figure)	Inflammation, suppurative/Subserosa; Change, basophilic hepatocyte; Necrosis/Focal	34
TGP-015 Indomethacin	Kidney	Day 8	Eosinophilic body/Proximal tubule, convoluted; Degeneration, vacuolar/Proximal tubule, convoluted	Inclusion body, intracytoplasmic/Proximal tubule; Hyaline droplet/Proximal tubule	34
TGP-015 Indomethacin	Kidney	Day 15	Hypertrophy/Proximal tubule, convoluted; Eosinophilic body/Proximal tubule, convoluted; Degeneration, vacuolar/Proximal tubule, convoluted	Swelling/Proximal tubule; Inclusion body, intracytoplasmic/Proximal tubule	35

Compound	Organ	Time point	Review finding(s)	Original finding(s)	Page
TGP-015 Indomethacin	Kidney	Day 15	Dilatation/Distal tubule, convoluted and straight; Degeneration, vacuolar/Proximal tubule, convoluted and straight	Dilatation/Distal tubule	35
TGP-015 Indomethacin	Kidney	Day 15	Necrosis/Proximal tubule, straight	Necrosis, tubular epithelium/Medulla	36
TGP-015 Indomethacin	Kidney	Day 15	Regeneration/Proximal tubule, convoluted and straight	Regeneration/Renal tubule	36
TGP-015 Indomethacin	Kidney	Day 15	Cellular infiltration, lymphocyte; Dilatation/Distal tubule, convoluted	Cellular infiltration, lymphocyte	37
TGP-015 Indomethacin	Kidney	Day 15	Degeneration, vacuolar/Collecting tubule/Papilla; Edema/Papilla	Degeneration/Papilla	37
TGP-016 Chlorpromazine	Liver	Day 29	Change eosinophilic/Hepatocyte/Diffuse; Increased mitosis/Hepatocyte/Diffuse (not shown in this figure)	Decrease in glycogen granules in hepatocytes	38
TGP-017 Thioacetamide	Liver	6 hr	Karyomegaly/Hepatocyte/Periportal; Degeneration, vacuolar/Hepatocyte/Periportal	Atypia, nuclear/Hepatocyte	39
TGP-017 Thioacetamide	Liver	24 hr	Necrosis, single cell/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Periportal	Necrosis/Centrilobular; Change, eosinophilic/Hepatocyte	39
TGP-017 Thioacetamide	Liver	Day 8	Necrosis, single cell/Hepatocyte/Centrilobular; Cellular infiltration, mononuclear cell/Centrilobular; Karyomegaly/Hepatocyte/Diffuse	Single cell necrosis/Hepatocyte; Cellular infiltration, inflammatory	40
TGP-017 Thioacetamide	Liver	Day 29	Proliferation/Oval cell/Periportal; Karyomegaly/Hepatocyte/Periportal; Hypertrophy/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Periportal	Proliferation/Oval cell	40
TGP-017 Thioacetamide	Liver	Day 29	Proliferation/Oval cell/Periportal; Karyomegaly/Hepatocyte/Periportal; Hypertrophy/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Periportal; Fibrosis/Periportal	Proliferation/Bile duct	41
TGP-017 Thioacetamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Karyomegaly/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Alteration, nuclear; Degeneration, granular, eosinophilic	41
TGP-017 Thioacetamide	Liver	Day 29	Altered foci/Hepatocyte/Midlobular	Cellular foci	42
TGP-017 Thioacetamide	Kidney	Day 4	Necrosis/Proximal tubule, convoluted	Necrosis/Tubular epithelium; Cellular infiltration, lymphocyte	42
TGP-017 Thioacetamide	Kidney	Day 15	Regeneration/Proximal tubule, convoluted	Regeneration/Tubular epithelium	43
TGP-018 Carbamazepine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	44
TGP-018 Carbamazepine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	44
TGP-018 Carbamazepine	Kidney	Day 29	Eosinophilic body/Proximal tubule, convoluted	Eosinophilic body	45
TGP-018 Carbamazepine	Kidney	Day 29	Eosinophilic body/Proximal tubule, convoluted	Eosinophilic body	45
TGP-019 Diclofenac sodium salt	Kidney	Day 29	Necrosis/Proximal tubule, convoluted	Degeneration/Proximal tubule	46
TGP-020 Nitrofurantoin	Kidney	24 hr	Necrosis/Proximal tubule, convoluted/Peri arcuate vein	Necrosis/Renal tubule (Peri arcuate vein)	47
TGP-020 Nitrofurantoin	Kidney	Day 4	Regeneration/Proximal tubule, convoluted/Peri arcuate vein	Regeneration/Renal tubule (Peri arcuate vein)	47
TGP-021 Benzbromarone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Ground glass appearance/Centrilobular	48
TGP-022 Hexachlorobenzene	Liver	Day 8	Increased mitosis/Hepatocyte	Increased mitosis/Hepatocyte	49
TGP-022 Hexachlorobenzene	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Ground glass appearance/Centrilobular	49
TGP-022 Hexachlorobenzene	Liver	Day 29	Degeneration, vacuolar/Hepatocyte/Periportal	Vacuolization, cytoplasmic/Periportal	50
TGP-022 Hexachlorobenzene	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Deposit, eosinophilic material/Mesangium/Glomerulus	Regeneration/Renal tubule; Sclerosis/Glomerulus	50
TGP-022 Hexachlorobenzene	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Hyaline droplet/Proximal tubule	51
TGP-023 Diazepam	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	52
TGP-023 Diazepam	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Hyaline droplet/Proximal tubule	52
TGP-024 Cyclophosphamide monohydrate	Liver	Day 29	Necrosis/Hepatocyte/Centrilobular; Hypertrophy/Hepatocyte/Periportal	Necrosis/Centrilobular; Hypertrophy/Hepatocyte	53

Compound	Organ	Time point	Review finding(s)	Original finding(s)	Page
TGP-024 Cyclophosphamide monohydrate	Liver	Day 29	Change, eosinophilic/Hepatocyte/Periportal; Deposit, brown pigment/Kupffer cell/Diffuse	Change, eosinophilic/Hepatocyte; Deposit, pigment/Kupffer cell	53
TGP-024 Cyclophosphamide monohydrate	Kidney	Day 29	Regeneration/Distal tubule, convoluted; Dilatation/Distal tubule, convoluted	Regeneration/Tubular epithelium	54
TGP-024 Cyclophosphamide monohydrate	Kidney	Day 29	Eosinophilic globule/Glomerulus; Regeneration/Proximal tubule, convoluted	Hyaline droplet/Glomerulus	54
TGP-024 Cyclophosphamide monohydrate	Kidney	Day 29	Deposit, eosinophilic material/Mesangium/Glomerulus; Anisokaryosis/Mesangial cell/Glomerulus	Proliferation/Mesangial matrix; Karyomegaly/Mesangial cell	55
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Anisokaryosis/Hepatocyte/Diffuse; Hypertrophy/Hepatocyte/Centrilobular; Degeneration, vacuolar/Ito cell/Centrilobular; Degeneration, vacuolar/Hepatocyte/Centrilobular	Anisonucleosis/Hepatocyte; Hypertrophy/Hepatocyte	56
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Deposit, brown pigment/Hepatocyte and sinusoid; Necrosis, single cell/Hepatocyte/Diffuse	Deposit, pigment/Periportal; Single cell necrosis/Hepatocyte	56
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Cellular infiltration, mononuclear cell/Periportal; Proliferation/Bile duct/Periportal; Proliferation/Oval cell/Periportal; Anisokaryosis/Hepatocyte/Diffuse	Cellular infiltration, mononuclear cell/Periportal; Hyperplasia/Hepatocyte	57
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Cellular infiltration, mononuclear cell/Periportal; Proliferation/Bile duct/Periportal; Proliferation/Oval cell/Periportal; Anisokaryosis/Hepatocyte/Diffuse	Increased, mitosis/Hepatocyte	57
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Proliferation/Bile duct/Periportal; Proliferation/Oval cell/Periportal; Anisokaryosis/Hepatocyte/Diffuse	Proliferation, bile duct/Interlobular	58
TGP-025 Methapyrilene hydrochloride	Liver	Day 29	Altered foci/Hepatocyte/Midlobular	Alteration, cytoplasmic/Hepatocyte	58
TGP-026 Phenytoin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Ground glass appearance/Centrilobular	59
TGP-027 Coumarin	Liver	24 hr	Change, eosinophilic/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	60
TGP-027 Coumarin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Inclusion body/Hepatocyte/Diffuse; Degeneration, vacuolar/Hepatocyte/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Inclusion body, intracytoplasmic/Hepatocyte; Degeneration, vacuolar/Centrilobular; Single cell necrosis/Hepatocyte	60
TGP-028 Allopurinol	Kidney	24 hr	Dilatation/Distal tubule, convoluted; Cellular infiltration, mononuclear cell	Dilatation/Distal tubule; Cellular infiltration, neutrophil	61
TGP-028 Allopurinol	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted and straight; Degeneration, vacuolar/Glomerulus; Cellular infiltration, mononuclear cell and neutrophil	Regeneration/Renal tubule; Dilatation/Distal tubule; Degeneration/Glomerulus; Cellular infiltration, mononuclear cell; Cellular infiltration, neutrophil	61
TGP-028 Allopurinol	Kidney	Day 29	Fibrosis/Interstitium	Interstitium, Connective tissue/Fibrosis	62
TGP-029 Propylthiouracil	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	63
TGP-030 WY-14643	Liver	Day 4	Degeneration, granular, eosinophilic/Hepatocyte/Periportal; Increased mitosis/Hepatocyte/Periportal	Degeneration, granular, eosinophilic/Hepatocyte; Increased mitosis/Hepatocyte	64
TGP-030 WY-14643	Liver	Day 4	Degeneration, granular, eosinophilic/Hepatocyte/Periportal; Increased mitosis/Hepatocyte/Periportal	Degeneration, granular, eosinophilic/Hepatocyte; Increased mitosis/Hepatocyte	64
TGP-030 WY-14643	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular; Hypertrophy/Bile duct/Periportal	Degeneration, granular, eosinophilic/Hepatocyte; Hypertrophy/Bile duct, interlobular	65
TGP-030 WY-14643	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular	Degeneration, granular, eosinophilic/Hepatocyte	65
TGP-030 WY-14643	Liver	Day 15	Hypertrophy/Bile duct/Periportal	Degeneration, granular, eosinophilic/Hepatocyte; Hypertrophy/Bile duct, interlobular	66
TGP-031 Gemfibrozil	Liver	Day 4	Increased mitosis/Hepatocyte/Periportal	Increased mitosis/Hepatocyte	67
TGP-031 Gemfibrozil	Liver	Day 4	Increased mitosis/Hepatocyte/Centrilobular	Increased mitosis/Hepatocyte	67
TGP-031 Gemfibrozil	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular	Degeneration, granular, eosinophilic/Hepatocyte	68
TGP-031 Gemfibrozil	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Centrilobular	Degeneration, granular, eosinophilic/Hepatocyte	68

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TGP-032 Bromobenzene	Liver	24 hr	Degeneration, hydropic/Hepatocyte/Centrilobular; Cellular infiltration, neutrophil/Centrilobular	Centrilobular/Degeneration, Hydropic; Centrilobular/Cellular infiltration	69
TGP-032 Bromobenzene	Liver	24 hr	Degeneration, hydropic/Hepatocyte/Centrilobular; Cellular infiltration, neutrophil/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Centrilobular/Degeneration, Hydropic; Centrilobular/Cellular infiltration; Centrilobular/Necrosis	69
TGP-032 Bromobenzene	Liver	24 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Hypertrophy, eosinophilic granular change	70
TGP-032 Bromobenzene	Liver	24 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Hypertrophy, eosinophilic granular change	70
TGP-032 Bromobenzene	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Hypertrophy, ground glass appearance	71
TGP-032 Bromobenzene	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Hypertrophy, ground glass appearance	71
TGP-033 Amiodarone	Liver	Day 29	Degeneration, vacuolar/Kupffer cell	Vacuolization, cytoplasmic/Kupffer cell	72
TGP-033 Amiodarone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Swelling/Hepatocyte; Change, eosinophilic/Centrilobular	72
TGP-033 Amiodarone	Liver	Day 29	Degeneration, vacuolar/Bile duct/Extrahepatic; Dilatation/Bile duct/Extrahepatic	Vacuolization, cytoplasmic/Bile duct cell	73
TGP-033 Amiodarone	Liver	Day 29	Degeneration, vacuolar/Hepatocyte/Centrilobular	Vacuolization, cytoplasmic/Hepatocyte	73
TGP-033 Amiodarone	Kidney	Day 29	Degeneration, vacuolar/Glomerulus and proximal tubule, convoluted	Vacuolization, cytoplasmic/Podocyte; Vacuolization, cytoplasmic/Renal tubule	74
TGP-034 Sulfasalazine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Swelling/Centrilobular	75
TGP-035 Cimetidine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Swelling/Centrilobular	76
TGP-039 Adapin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte	77
TGP-039 Adapin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte	77
TGP-041 Methyltestosterone	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte/Diffuse	78
TGP-041 Methyltestosterone	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte/Diffuse	78
TGP-041 Methyltestosterone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Hepatocyte	79
TGP-041 Methyltestosterone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Hepatocyte	79
TGP-041 Methyltestosterone	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted (brush border); Dilatation/Distal tubule, convoluted; Karyomegaly/Proximal tubule, convoluted; Hyaline droplet/Proximal tubule, convoluted	Hypertrophy/Proximal tubule	80
TGP-041 Methyltestosterone	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted (brush border); Dilatation/Distal tubule, convoluted; Karyomegaly/Proximal tubule, convoluted; Hyaline droplet/Proximal tubule, convoluted	Hypertrophy/Proximal tubule	80
TGP-043 Griseofulvin	Liver	24 hr	Increased mitosis/Hepatocyte	Increased mitosis/Hepatocyte	81
TGP-043 Griseofulvin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Centrilobular/Swelling	81
TGP-043 Griseofulvin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Centrilobular/Swelling	82
TGP-044 Flutamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	83
TGP-046 Azathioprine	Liver	Day 15	Necrosis/Hepatocyte/Massive; Degeneration, vacuolar/Hepatocyte/Diffuse	Necrosis/Focal; Vacuolization/Hepatocyte	84
TGP-046 Azathioprine	Kidney	Day 15	Dilatation/Distal tubule, convoluted	Dilatation/Distal tubule	84
TGP-046 Azathioprine	Kidney	Day 15	Dilatation/Distal tubule, convoluted; Retention, eosinophilic material/Henle's thin segment	Dilatation/Distal tubule	85

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TGP-047 Ketoconazole	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	86
TGP-047 Ketoconazole	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	86
TGP-047 Ketoconazole	Liver	Day 29	Degeneration, vacuolar/Bile duct/Periportal; Dilatation/Bile duct/Periportal	Vacuolization, cytoplasmic/Bile duct, interlobular	87
TGP-048 Tetracycline	Liver	9 hr	Degeneration, vacuolar/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Midlobular	88
TGP-049 Lomustine	Liver	Day 29	Necrosis, single cell/Hepatocyte/Centrilobular	Single cell necrosis/Hepatocyte	89
TGP-049 Lomustine	Liver	Day 29	Degeneration, vacuolar/Hepatocyte/Periportal; Cellular infiltration, mononuclear cell/Periportal	Cellular infiltration, mononuclear cell/Periportal	89
TGP-049 Lomustine	Liver	Day 29	Necrosis/Hepatocyte/Focal; Proliferation/Oval cell/Periportal	Necrosis/Midlobular	90
TGP-049 Lomustine	Liver	Day 29	Hypertrophy/Hepatocyte/Midlobular; Degeneration, granular, eosinophilic/Hepatocyte/Midlobular	Hypertrophy/Midlobular; Degeneration, granular, eosinophilic/Hepatocyte; Proliferation/Kupffer cell	90
TGP-049 Lomustine	Liver	Day 29	Proliferation/Bile duct/Periportal	Proliferation/Bile duct	91
TGP-049 Lomustine	Liver	Day 29	Fibrosis/Periportal	Fibrosis/Bile duct	91
TGP-049 Lomustine	Kidney	Day 15	Eosinophilic droplet/Collecting tubule/Papilla	Cast, hyaline/Papilla	92
TGP-049 Lomustine	Kidney	Day 15	Hypertrophy/Transitional epithelium/Pelvis; Karyomegaly/Transitional epithelium/Pelvis; Eosinophilic globule/Transitional epithelium/Pelvis	Hypertrophy/Transitional epithelium; Degeneration/Transitional epithelium	92
TGP-049 Lomustine	Kidney	Day 29	Degeneration/Proximal tubule, convoluted; Necrosis/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted and straight	Degeneration/Proximal tubule	93
TGP-049 Lomustine	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted	Hyaline droplet/Proximal tubule	93
TGP-049 Lomustine	Kidney	Day 29	Regeneration/Proximal and distal tubule, convoluted and straight; Dilatation/Distal tubule, convoluted and straight	Regeneration/Renal tubule; Dilatation/Distal tubule	94
TGP-049 Lomustine	Kidney	Day 29	Karyomegaly/Collecting tubule/Medulla	Karyomegaly/Collecting tubule	94
TGP-052 Chlormezanone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	95
TGP-052 Chlormezanone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	95
TGP-053 Metformin	Liver	Day 4	Deposit, glycogen/Hepatocyte/Periportal	Deposit, glycogen/Periportal	96
TGP-053 Metformin	Liver	Day 4	Deposit, glycogen/Hepatocyte/Periportal	Deposit, glycogen/Periportal	96
TGP-053 Metformin	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Proximal tubule	97
TGP-054 Tamoxifen	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular/Diffuse	98
TGP-054 Tamoxifen	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular/Diffuse	98
TGP-054 Tamoxifen	Kidney	Day 29	Hypertrophy/Proximal tubule, convoluted; Degeneration, vacuolar/Proximal tubule, convoluted (brush border)	Hypertrophy/Proximal tubule	99
TGP-055 Ethinylestradiol	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted (cytoplasm and brush border)	Vacuolization (Vacuolation), cytoplasmic/Renal tubule/Diffuse	100
TGP-055 Ethinylestradiol	Kidney	Day 29	Dilatation/Proximal tubule, convoluted and straight	Dilatation/Renal tubule	100
TGP-055 Ethinylestradiol	Liver	Day 29	Hypertrophy/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Periportal; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Midlobular; Change, eosinophilic/Peripheral	101
TGP-055 Ethinylestradiol	Liver	Day 29	Hypertrophy/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Periportal	Change, eosinophilic/Peripheral	101
TGP-055 Ethinylestradiol	Liver	Day 29	Hypertrophy/Hepatocyte/Periportal; Change, eosinophilic/Hepatocyte/Periportal	Change, eosinophilic/Peripheral	102
TGP-055 Ethinylestradiol	Liver	Day 29	Degeneration, fatty/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Midlobular	102
TGP-055 Ethinylestradiol	Liver	Day 29	Degeneration, fatty/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Midlobular	103
TGP-055 Ethinylestradiol	Liver	Day 29	Necrosis, single cell/Hepatocyte	Single cell necrosis/Hepatocyte	103
TGP-055 Ethinylestradiol	Liver	Day 29	Dilatation/Sinusoid/Diffuse; Hypertrophy/Kupffer cell/Diffuse; Proliferation/Kupffer cell/Diffuse	Dilatation/Sinusoid; Proliferation, Kupffer cell	104



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TGP-055 Ethinylestradiol	Liver	Day 29	Dilatation/Sinusoid/Diffuse; Hypertrophy/Kupffer cell/Diffuse; Proliferation/Kupffer cell/Diffuse	Dilatation/Sinusoid; Proliferation, Kupffer cell	104
TGP-055 Ethinylestradiol	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	105
TGP-055 Ethinylestradiol	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	105
TGP-055 Ethinylestradiol	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted	Vacuolization (Vacuolation), cytoplasmic/Renal tubule/Diffuse	106
TGP-055 Ethinylestradiol	Kidney	Day 29	Dilatation/Proximal tubule, convoluted and straight	Dilatation/Renal tubule	106
TGP-057 Methimazole	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	107
TGP-058 Monocrotaline	Liver	Day 15	Necrosis/Hepatocyte/Multifocal; Change, eosinophilic/Hepatocyte/Diffuse; Fibrosis/Periportal	Necrosis/Hepatocyte; Change, acidophilic/Hepatocyte; Fibrosis/Periportal	108
TGP-058 Monocrotaline	Liver	Day 15	Fibrosis/Centrilobular; Hemorrhage/Centrilobular; Hypertrophy/Kupffer cell/Diffuse; Cellular infiltration, mononuclear cell/Diffuse	Fibrosis/Centrilobular; Hemorrhage/Centrilobular; Hypertrophy/Kupffer cell; Cellular infiltration/Sinusoid	108
TGP-058 Monocrotaline	Liver	Day 15	Hypertrophy/Hepatocyte/Diffuse; Change, eosinophilic/Hepatocyte/Periportal	Hypertrophy/Peripheral	109
TGP-058 Monocrotaline	Liver	Day 15	Necrosis, single cell/Hepatocyte/Diffuse; Hypertrophy/Hepatocyte/Diffuse; Change, eosinophilic/Hepatocyte/Diffuse	Change, acidophilic/Hepatocyte; Single cell necrosis/Hepatocyte	109
TGP-058 Monocrotaline	Liver	Day 15	Deposit, brown pigment/Periportal; Necrosis/Hepatocyte/Focal	Deposit, hemosiderin	110
TGP-058 Monocrotaline	Kidney	Day 15	Deposit, eosinophilic material/Mesangium/Glomerulus	Proliferation/Mesangial matrix	110
TGP-058 Monocrotaline	Kidney	Day 15	Anisokaryosis/Mesangium/Glomerulus; Degeneration, vacuolar/Proximal tubule, convoluted	Anisonucleosis/Mesangial cell; Vacuolization (Vacuolation), cytoplasmic/Proximal tubule	111
TGP-058 Monocrotaline	Kidney	Day 15	Necrosis, single cell/Mesangial cell/Glomerulus; Deposit, eosinophilic material/Mesangium/Glomerulus; Degeneration, vacuolar/Proximal tubule, convoluted	Single cell necrosis/Mesangial cell	111
TGP-059 Vitamin A	Liver	Day 29	Hypertrophy/Ito cell; Degeneration, vacuolar/Ito cell	Hypertrophy/Ito cell; Vacuolization, cytoplasmic/Ito cell	112
TGP-062 Iproniazid	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Hepatocyte	113
TGP-062 Iproniazid	Liver	Day 29	Deposit, brown pigment/Kupffer cell/Diffuse	Deposit, pigment/Kupffer cell; Phagocytosis/Kupffer cell	113
TGP-062 Iproniazid	Liver	Day 29	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary/Sinusoid	114
TGP-064 Chloramphenicol	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	115
TGP-064 Chloramphenicol	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	115
TGP-069 Imipramine	Liver	Day 15	Degeneration, fatty/Ito cell/Periportal	Vacuolization, cytoplasmic/Kupffer cell	116
TGP-069 Imipramine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular; Inclusion body/Hepatocyte/Centrilobular	Inclusion body, intracytoplasmic/Hepatocyte	116
TGP-069 Imipramine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular; Change, eosinophilic/Hepatocyte/Periportal	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Midlobular	117
TGP-069 Imipramine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Midlobular	117
TGP-069 Imipramine	Kidney	Day 29	Degeneration, vacuolar/Collecting tubule/Papilla	Collecting tubule/Vacuolization (Vacuolation), cytoplasmic/Local	118
TGP-069 Imipramine	Kidney	Day 29	Degeneration, vacuolar/Collecting tubule/Papilla	Collecting tubule/Vacuolization (Vacuolation), cytoplasmic/Local	118
TGP-070 Amitriptyline	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Diffuse	Hypertrophy/Hepatocyte, cytoplasmic/Hepatocyte	119
TGP-070 Amitriptyline	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Diffuse	Hypertrophy/Hepatocyte, cytoplasmic/Hepatocyte	119
TGP-071 Hydroxyzine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte/Zonal	120
TGP-071 Hydroxyzine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte/Zonal	120

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TGP-071 Hydroxyzine	Liver	Day 29	Degeneration, fatty/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Hepatocyte/Zonal	121
TGP-071 Hydroxyzine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte/Zonal	121
TGP-071 Hydroxyzine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, fatty/Hepatocyte/Midlobular	Hypertrophy/Centrilobular; Vacuolization, cytoplasmic/Hepatocyte/Zonal	122
TGP-072 Ibuprofen	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	123
TGP-072 Ibuprofen	Liver	Day 15	Hematopoiesis, extramedullary/Sinusoid/Multifocal	Hematopoiesis, extramedullary/Sinusoid	123
TGP-072 Ibuprofen	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Proximal tubule	124
TGP-072 Ibuprofen	Kidney	Day 29	Necrosis/Papilla	Necrosis/Papilla	124
TGP-073 Naproxen	Liver	Day 4	Necrosis/Hepatocyte/Focal	Necrosis/Hepatocyte	125
TGP-073 Naproxen	Liver	Day 4	Cellular infiltration, neutrophil/Serosa	Inflammation/Serosa	125
TGP-073 Naproxen	Liver	Day 4	Hypertrophy/Kupffer cell/Periportal	Hypertrophy, Kupffer cell/Sinusoid	126
TGP-073 Naproxen	Liver	Day 15	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary/Sinusoid	126
TGP-073 Naproxen	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Proximal tubule	127
TGP-073 Naproxen	Kidney	Day 29	Regeneration/Collecting tubule/Papilla	Regeneration/Collecting tubule	127
TGP-073 Naproxen	Kidney	Day 29	Deposit, eosinophilic material/Papilla	Interstitialium, Connective tissue/Degeneration/Focal	128
TGP-073 Naproxen	Kidney	Day 29	Necrosis/Papilla	Necrosis/Papilla	128
TGP-074 Quinidine sulfate	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	129
TGP-078 Furosemide	Kidney	9 hr	Hypertrophy/Distal tubule, straight	Hypertrophy/Distal tubule	130
TGP-078 Furosemide	Kidney	9 hr	Hypertrophy/Distal tubule, straight	Hypertrophy/Distal tubule	130
TGP-078 Furosemide	Kidney	24 hr	Dilatation/Proximal and distal tubule, convoluted and straight; Mineralization/Proximal tubule, convoluted	Mineralization/Proximal tubule; Dilatation/Proximal tubule	131
TGP-078 Furosemide	Kidney	Day 15	Regeneration/Proximal tubule, convoluted; Mineralization/Proximal tubule, convoluted and straight	Regeneration/Renal tubule; Mineralization/Renal tubule	131
TGP-078 Furosemide	Kidney	Day 15	Regeneration/Proximal tubule, convoluted; Mineralization/Proximal tubule, convoluted	Regeneration/Renal tubule; Mineralization/Renal tubule	132
TGP-078 Furosemide	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Renal tubule	132
TGP-078 Furosemide	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Renal tubule	133
TGP-078 Furosemide	Kidney	Day 29	Dilatation/Proximal and distal tubule, convoluted and straight; Degeneration, vacuolar/Proximal tubule, convoluted (brush border)	Dilatation/Renal tubule	133
TGP-078 Furosemide	Kidney	Day 29	Hypertrophy/Collecting tubule; Extrusion, cytoplasmic/Collecting tubule	Hypertrophy/Collecting tubule	134
TGP-078 Furosemide	Kidney	Day 29	Dilatation/Pelvis	Dilatation/Pelvic cavity	134
TGP-079 Fenofibrate	Liver	Day 4	Increased mitosis/Hepatocyte	Increased mitosis/Hepatocyte	135
TGP-079 Fenofibrate	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Degeneration, granular, eosinophilic/Hepatocyte/Periportal	Degeneration, granular, eosinophilic/Hepatocyte	135
TGP-080 Chlorpropamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	136
TGP-080 Chlorpropamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	136
TGP-080 Chlorpropamide	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Proximal tubule/Diffuse	137
TGP-080 Chlorpropamide	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Proximal tubule/Diffuse	137
TGP-081 Nicotinic acid	Liver	9 hr	Change, eosinophilic/Hepatocyte/Periportal	Change, eosinophilic/Peripheral	138
TGP-081 Nicotinic acid	Liver	24 hr	Deposit, glycogen/Hepatocyte/Periportal	Deposit, glycogen/Peripheral	138
TGP-082 Erythromycin ethyl succinate	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular, Hepatocyte	139
TGP-083 Ethambutol	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	140
TGP-083 Ethambutol	Liver	Day 8	Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Change, eosinophilic/Hepatocyte	140
TGP-083 Ethambutol	Liver	Day 8	Change, eosinophilic/Hepatocyte/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular; Distinct, nucleoli/Hepatocyte/Centrilobular	Centrilobular/Change, eosinophilic/Hepatocyte; Hepatocyte/Single cell necrosis; Alteration, nuclear/Hepatocyte/Distinct, nucleoli	141

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TGP-083 Ethambutol	Liver	Day 8	Necrosis, single cell/Hepatocyte/Centrilobular; Inclusion body/Hepatocyte/Centrilobular; Hypertrophy/Kupffer cell/Centrilobular; Increased mitosis/Hepatocyte/Diffuse	Single cell necrosis/Hepatocyte; Inclusion body, intracytoplasmic/Hepatocyte; Proliferation, Kupffer cell/Sinusoid	141
TGP-083 Ethambutol	Liver	Day 8	Inclusion body/Hepatocyte/Centrilobular; Increased mitosis/Hepatocyte/Diffuse	Inclusion body, intracytoplasmic/Hepatocyte	142
TGP-083 Ethambutol	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular; Hypertrophy/Centrilobular	142
TGP-083 Ethambutol	Liver	Day 15	Ground glass appearance/Hepatocyte/Centrilobular; Hypertrophy/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular; Hypertrophy/Centrilobular	143
TGP-083 Ethambutol	Liver	Day 29	Karyomegaly/Hepatocyte/Diffuse; Distinct nucleoli/Hepatocyte/Diffuse	Anisonucleosis/Hepatocyte; Alteration, nuclear/Hepatocyte/Distinct, nucleoli	143
TGP-083 Ethambutol	Liver	Day 29	Change, eosinophilic/Hepatocyte/Diffuse	Atrophy/Hepatocyte; Change, eosinophilic/Hepatocyte	144
TGP-083 Ethambutol	Liver	Day 29	Change, eosinophilic/Hepatocyte/Centrilobular; Deposit, brown pigment/Kupffer cell/Centrilobular; Hypertrophy/Kupffer cell and hepatocyte/Centrilobular	Change, eosinophilic/Hepatocyte; Deposit, pigment/Kupffer cell	144
TGP-084 Mefenamic acid	Liver	Day 29	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary	145
TGP-084 Mefenamic acid	Kidney	Day 4	Necrosis/Papilla	Necrosis, papilla	145
TGP-090 Chlorpheniramine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	146
TGP-090 Chlorpheniramine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	146
TGP-091 Nifedipine	Liver	3 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	147
TGP-091 Nifedipine	Liver	3 hr	Increased mitosis/Hepatocyte	Increased mitosis/Hepatocyte	147
TGP-091 Nifedipine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	148
TGP-091 Nifedipine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	148
TGP-092 Diltiazem	Liver	Day 15	Degeneration, vacuolar/Hepatocyte/Diffuse	Vacuolization, cytoplasmic/Hepatocyte	149
TGP-092 Diltiazem	Liver	Day 15	Degeneration, vacuolar/Hepatocyte/Diffuse	Vacuolization, cytoplasmic/Hepatocyte	149
TGP-092 Diltiazem	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	150
TGP-092 Diltiazem	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	150
TGP-094 Captopril	Kidney	Day 29	Hypertrophy/Juxtaglomerular apparatus	Hypertrophy/Juxtaglomerular apparatus	151
TGP-094 Captopril	Kidney	Day 29	Regeneration/Proximal and distal tubule, convoluted; Dilatation/Distal tubule, convoluted; Cellular infiltration, lymphocyte	Regeneration/Renal tubule, cortex, Cellular infiltration, lymphocyte	151
TGP-095 Enalapril	Kidney	Day 29	Hypertrophy/Juxtaglomerular apparatus	Hypertrophy/Juxtaglomerular apparatus	152
TGP-095 Enalapril	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Renal tubule, cortex	152
TGP-095 Enalapril	Kidney	Day 29	Necrosis/Proximal tubule, convoluted	Necrosis/Tubular epithelium	153
TGP-096 Theophylline	Liver	Day 29	Necrosis, single cell/Hepatocyte/Centrilobular; Inclusion body/Hepatocyte/Centrilobular	Inclusion body, intracytoplasmic/Centrilobular; Single cell necrosis/Centrilobular	154
TGP-097 Caffeine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular/Hepatocyte	155
TGP-097 Caffeine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular/Hepatocyte (Fine vesicular cytoplasm)	155
TGP-098 Papaverine	Liver	Day 4	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	156
TGP-098 Papaverine	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	156
TGP-098 Papaverine	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular	157
TGP-098 Papaverine	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Hyaline droplet/Proximal tubule	157
TGP-099 Penicillamine	Kidney	Day 15	Cast, blood/Proximal tubule, straight	Blood cast/Renal tubule	158
TGP-099 Penicillamine	Kidney	Day 15	Cast, blood/Proximal tubule, straight	Blood cast/Renal tubule	158

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TGP-099 Penicillamine	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Increased number of nuclei/Proximal tubule, convoluted; Intraluminal eosinophilic material/Proximal tubule, convoluted	Change, basophilic/Proximal tubule	159
TGP-099 Penicillamine	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Increased number of nuclei/Proximal tubule, convoluted; Intraluminal eosinophilic material/Proximal tubule, convoluted	Change, basophilic/Proximal tubule	159
TGP-100 Sulindac	Liver	24 hr	Hypertrophy/Hepatocyte/Periportal	Hypertrophy/Periportal/Hepatocyte	160
TGP-100 Sulindac	Liver	24 hr	Hypertrophy/Hepatocyte/Periportal	Hypertrophy/Periportal/Hepatocyte	160
TGP-100 Sulindac	Liver	Day 8	Atrophy/Hepatocyte/Centrilobular; Cellular infiltration, neutrophil/Serosa	Atrophy/Hepatic cord; Cellular infiltration, neutrophil/Serosa	161
TGP-100 Sulindac	Liver	Day 8	Atrophy/Hepatocyte/Centrilobular; Cellular infiltration, neutrophil/Serosa	Atrophy/Hepatic cord; Cellular infiltration, neutrophil/Serosa	161
TGP-100 Sulindac	Liver	Day 15	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary	162
TGP-100 Sulindac	Liver	Day 15	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary	162
TGP-100 Sulindac	Liver	Day 29	Hypertrophy/Hepatocyte/Periportal	Hypertrophy/Periportal/Hepatocyte	163
TGP-100 Sulindac	Liver	Day 29	Hypertrophy/Hepatocyte/Periportal	Hypertrophy/Periportal/Hepatocyte	163
TGP-100 Sulindac	Kidney	Day 15	Degeneration, vacuolar/Proximal tubule, convoluted (brush border); Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Cellular infiltration, mononuclear cell; Change, basophilic/Renal tubule	164
TGP-100 Sulindac	Kidney	Day 15	Degeneration, vacuolar/Proximal tubule, convoluted (brush border); Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Cellular infiltration, mononuclear cell; Change, basophilic/Renal tubule	164
TGP-100 Sulindac	Kidney	Day 15	Degeneration, mucinous/Papilla; Regeneration/Collecting tubule/Papilla	Necrosis/Papilla	165
TGP-101 Triamterene	Kidney	Day 15	Regeneration/Proximal tubule, convoluted	Change, basophilic/Renal tubule	166
TGP-101 Triamterene	Kidney	Day 15	Regeneration/Proximal tubule, convoluted	Change, basophilic/Renal tubule	166
TGP-101 Triamterene	Kidney	Day 29	Hypertrophy/Proximal tubule, convoluted; Degeneration, vacuolar/Proximal and distal tubule, convoluted and straight	Swelling/Renal tubule	167
TGP-101 Triamterene	Kidney	Day 29	Hypertrophy/Proximal tubule, convoluted; Degeneration, vacuolar/Proximal and distal tubule, convoluted and straight	Swelling/Renal tubule	167
TGP-101 Triamterene	Kidney	Day 29	Cellular infiltration, mononuclear cell; Dilatation/Distal tubule, convoluted	Cellular infiltration/Interstitium/Connective tissue; Dilatation/Renal tubule	168
TGP-101 Triamterene	Kidney	Day 29	Cellular infiltration, mononuclear cell; Dilatation/Distal tubule, convoluted	Cellular infiltration/Interstitium/Connective tissue; Dilatation/Renal tubule	168
TGP-101 Triamterene	Kidney	Day 29	Dilatation/Proximal and distal tubule, convoluted and straight	Dilatation/Renal tubule	169
TGP-101 Triamterene	Kidney	Day 29	Dilatation/Proximal and distal tubule, convoluted and straight	Dilatation/Renal tubule	169
TGP-101 Triamterene	Kidney	Day 29	Regeneration/Collecting tubule/Medulla; Dilatation/Collecting tubule/Medulla; Necrosis/Collecting tubule/Medulla	Change, basophilic/Renal tubule; Dilatation/Renal tubule; Necrosis/Collecting tubule	170
TGP-101 Triamterene	Kidney	Day 29	Regeneration/Collecting tubule/Medulla; Dilatation/Collecting tubule/Medulla; Necrosis/Collecting tubule/Medulla	Change, basophilic/Renal tubule; Dilatation/Renal tubule; Necrosis/Collecting tubule	170
TGP-101 Triamterene	Kidney	Day 29	Regeneration/Collecting tubule/Papilla; Cellular infiltration, neutrophil/Papilla	Cellular infiltration, neutrophil/Papilla; Change, basophilic/Renal tubule; Necrosis/Collecting tubule	171
TGP-101 Triamterene	Kidney	Day 29	Regeneration/Collecting tubule/Papilla; Cellular infiltration, neutrophil/Papilla	Cellular infiltration, neutrophil/Papilla; Change, basophilic/Renal tubule; Necrosis/Collecting tubule	171
TGP-102 Disopyramide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	172
TGP-103 Mexiletine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular/Hepatocyte	173
TGP-103 Mexiletine	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted; Eosinophilic body/Proximal tubule, convoluted	Hyaline droplet/Proximal tubule; Eosinophilic body/Proximal tubule	173
TGP-108 Acetazolamide	Kidney	6 hr	Cellular infiltration, neutrophil/Papilla; Hyperplasia/Transitional epithelium/Pelvis	Cellular infiltration, neutrophil/Medulla, Papilla	174
TGP-108 Acetazolamide	Kidney	24 hr	Cellular infiltration, neutrophil/Pelvis; Hyperplasia/Transitional epithelium/Pelvis	Cellular infiltration, neutrophil/Medulla, Transitional epithelium; Hyperplasia/Pelvis, Transitional epithelium	174
TGP-108 Acetazolamide	Kidney	24 hr	Necrosis/Transitional epithelium/Pelvis	Necrosis/Pelvis, Transitional epithelium	175
TGP-108 Acetazolamide	Kidney	24 hr	Necrosis/Transitional epithelium/Pelvis	Necrosis/Pelvis, Transitional epithelium	175
TGP-108 Acetazolamide	Kidney	Day 4	Eosinophilic droplet/Collecting tubule/Papilla	Inclusion body, intracytoplasmic/Medulla, Papillary duct	176
TGP-108 Acetazolamide	Kidney	Day 15	Regeneration/Collecting tubule/Medulla	Change, basophilic/Medulla, Collecting tubule	176

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TGP-108 Acetazolamide	Kidney	Day 15	Mineralization/Transitional epithelium/Medulla	Calcification/Medulla, Transitional epithelium	177
TGP-108 Acetazolamide	Kidney	Day 15	Cast, hyaline/Distal tubule, convoluted	Cast, hyaline/Cortex, Distal tubule	177
TGP-108 Acetazolamide	Kidney	Day 29	Karyomegaly/Collecting tubule/Medulla; Change, eosinophilic/Collecting tubule/Medulla	Swelling/Medulla, Collecting tubule	178
TGP-108 Acetazolamide	Kidney	Day 29	Change, eosinophilic/Distal tubule, convoluted and straight	Swelling/Cortex, Distal tubule	178
TGP-109 Disulfiram	Liver	Day 4	Degeneration, vacuolar/Hepatocyte/Midlobular	Vacuolization, cytoplasmic/Peripheral	179
TGP-109 Disulfiram	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	179
TGP-109 Disulfiram	Kidney	Day 8	Degeneration, vacuolar/Proximal tubule, convoluted	Vacuolization (Vacuolation), cytoplasmic/Cortex	180
TGP-109 Disulfiram	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted; Eosinophilic body/Proximal tubule, convoluted	Hyaline droplet/Cortex	180
TGP-110 Promethazine hydrochloride	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	181
TGP-110 Promethazine hydrochloride	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular	181
TGP-110 Promethazine hydrochloride	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular; Inclusion body/Hepatocyte/Centrilobular	Ground glass appearance/Centrilobular/Inclusion body, intracytoplasmic	182
TGP-110 Promethazine hydrochloride	Kidney	Day 29	Eosinophilic body/Proximal tubule, convoluted	Hyaline droplet/Proximal tubule	182
TGP-113 Colchicine	Liver	24 hr	Necrosis, single cell/Hepatocyte/Midlobular; Degeneration, vacuolar/Hepatocyte/Midlobular	Single cell necrosis/Midlobular; Vacuolization, cytoplasmic/Midlobular	183
TGP-113 Colchicine	Liver	Day 4	Increased mitosis/Bile duct/Periportal; Cellular infiltration, mononuclear cell/Bile duct/Periportal	Increased mitosis/bile duct cell; Cellular infiltration/periductal	183
TGP-113 Colchicine	Liver	Day 15	Increased mitosis/Hepatocyte/Periportal	Increased mitosis/Midlobular	184
TGP-113 Colchicine	Liver	Day 15	Degeneration, vacuolar/Nucleus, Hepatocyte/Diffuse; Karyomegaly/Hepatocyte/Diffuse	Vacuolization, nuclear/Midlobular, hepatocyte	184
TGP-113 Colchicine	Kidney	Day 4	Increased mitosis/Proximal tubule, convoluted	Increased mitosis/Tubular epithelium	185
TGP-114 Tolbutamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	186
TGP-114 Tolbutamide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	186
TGP-117 Simvastatin	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Midlobular/Increased mitosis	187
TGP-117 Simvastatin	Liver	Day 29	Change, eosinophilic/Hepatocyte/Periportal	Change, basophilic/Periportal	187
TGP-117 Simvastatin	Liver	Day 29	Microgranuloma/Diffuse	Microgranuloma	188
TGP-119 Dantrolene	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Ground glass appearance/Centrilobular	189
TGP-119 Dantrolene	Kidney	Day 15	Hyperplasia/Transitional epithelium/Pelvis; Cellular infiltration, neutrophil/Pelvis	Hyperplasia/Transitional epithelium; Cellular infiltration, neutrophil	189
TGP-119 Dantrolene	Kidney	Day 29	Dilatation/Distal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted	Dilatation/Renal tubule; Regeneration/Renal tubule	190
TGP-121 Clomipramine	Liver	Day 29	Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Midlobular	Change, eosinophilic/Centrilobular; Vacuolization, cytoplasmic/Midlobular	191
TGP-121 Clomipramine	Liver	Day 29	Change, eosinophilic/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Midlobular	Change, eosinophilic/Centrilobular; Vacuolization, cytoplasmic/Midlobular	191
TGP-121 Clomipramine	Liver	Day 29	Cellular infiltration, mononuclear cell/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Cellular infiltration/Centrilobular; Single cell necrosis/Centrilobular	192
TGP-121 Clomipramine	Liver	Day 29	Cellular infiltration, mononuclear cell/Centrilobular; Necrosis, single cell/Hepatocyte/Centrilobular	Cellular infiltration/Centrilobular; Single cell necrosis/Centrilobular	192
TGP-122 Trimethadione	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	193

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TGP-122 Trimethadione	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	193
TGP-122 Trimethadione	Liver	Day 29	Necrosis, single cell/Hepatocyte; Hematopoiesis, extramedullary/Sinusoid	Hepatocyte/Necrosis/Multifocal; Cellular infiltration/Multifocal	194
TGP-123 Terbinafine	Liver	Day 8	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	195
TGP-123 Terbinafine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	195
TGP-124 Meloxicam	Liver	Day 8	Cellular infiltration, neutrophil/Serosa; Necrosis/Hepatocyte/Subserosa	Inflammation/Serosa (with necrosis of subserosal hepatocyte)	196
TGP-124 Meloxicam	Liver	Day 8	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary	196
TGP-124 Meloxicam	Kidney	Day 15	Necrosis/Papilla	Necrosis/Papilla	197
TGP-124 Meloxicam	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Proximal tubule	197
TGP-125 Lornoxicam	Liver	Day 15	Inflammation, granulomatous/Serosa; Necrosis/Serosa (not shown in this figure)	Inflammation/Serosa	198
TGP-125 Lornoxicam	Liver	Day 15	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary	198
TGP-125 Lornoxicam	Kidney	Day 15	Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Regeneration/Renal tubule	199
TGP-125 Lornoxicam	Kidney	Day 15	Dilatation/Distal tubule, convoluted	Dilatation/Distal tubule	199
TGP-125 Lornoxicam	Kidney	Day 29	Necrosis/Papilla	Necrosis/Papilla	200
TGP-126 Chlormadinone acetate	Liver	9 hr	Deposit, glycogen/Hepatocyte/Diffuse	Deposit, glycogen/Peripheral	201
TGP-126 Chlormadinone acetate	Liver	9 hr	Deposit, glycogen/Hepatocyte/Diffuse	Deposit, glycogen/Peripheral	201
TGP-127 Danazol	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis/Hepatocyte	202
TGP-129 Bendazac	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	203
TGP-130 Benziodarone	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	204
TGP-132 Cisplatin	Kidney	Day 15	Necrosis/Proximal and distal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted and straight; Karyomegaly/Proximal and distal tubule, convoluted and straight	Necrosis, renal tubule, cortico-medullary junction; Regeneration renal tubule, cortico-medullary junction; Karyomegaly, renal tubule	205
TGP-132 Cisplatin	Kidney	Day 29	Regeneration/Distal tubule, convoluted and straight and Henle's thin segment; Dilatation/Proximal and distal tubule, convoluted and straight and Henle's thin segment; Karyomegaly/Distal tubule, convoluted and straight and Henle's thin segment	Regeneration, renal tubule; Dilatation, renal tubule; Karyomegaly, renal tubule	205
TGP-132 Cisplatin	Kidney	Day 29	Karyomegaly/Distal tubule, convoluted and straight; Dilatation/Distal tubule, convoluted and straight and Henle's thin segment	Karyomegaly, renal tubule; Dilatation, renal tubule	206
TGP-132 Cisplatin	Kidney	Day 29	Hyaline droplet/Collecting tubule/Papilla; Cast, hyaline/Henle's thin segment and collecting tubule/Papilla; Karyomegaly/Collecting tubule/Papilla	Hyaline droplet, collecting tubule, papilla; Hyaline cast, renal tubule	206
TGP-132 Cisplatin	Kidney	Day 29	Degeneration, vacuolar/Transitional epithelium/Pelvis	Vacuolization, cytoplasmic, pelvic epithelium	207
TGP-133 Carboplatin	Kidney	24 hr	Degeneration, vacuolar/Proximal tubule, convoluted	Renal tubule/Vacuolization (Vacuolation), cytoplasmic	208
TGP-133 Carboplatin	Kidney	Day 29	Cast, hyaline/Proximal tubule, convoluted; Regeneration/Proximal tubule, convoluted	Cortex/Cast, hyaline	208
TGP-133 Carboplatin	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Deposit, eosinophilic material/Mesangium/Glomerulus	Renal tubule/Degeneration	209
TGP-133 Carboplatin	Kidney	Day 29	Deposit, eosinophilic material/Mesangium/Glomerulus	Glomerular tuft/Thickening	209
TGP-133 Carboplatin	Kidney	Day 29	Regeneration/Collecting tubule/Papilla; Karyomegaly/Collecting tubule/Papilla	Collecting tubule/Degeneration	210
TGP-133 Carboplatin	Kidney	Day 29	Necrosis/Papilla	Papilla/Necrosis	210
TGP-134 2-Bromoethylamine hydrobromide	Liver	9 hr	Deposit, glycogen/Hepatocyte/Diffuse	Deposit, glycogen/Hepatocyte	211
TGP-134 2-Bromoethylamine hydrobromide	Liver	Day 29	Degeneration, vacuolar/Hepatocyte/Centrilobular; Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Vacuolation, cytoplasmic, hepatocyte, microvesicle/Centrilobular; Hypertrophy/Centrilobular	211
TGP-134 2-Bromoethylamine hydrobromide	Kidney	9 hr	Dilatation/Proximal and distal tubule, convoluted and straight	Dilatation/Cortex, Distal tubule, Proximal tubule	212
TGP-134 2-Bromoethylamine hydrobromide	Kidney	24 hr	Edema/Papilla	Edema/Medulla, Interstitium, Connective tissue, Papilla	212

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TGP-134	2-Bromoethylamine hydrobromide	Kidney	24 hr	Hyperplasia/Transitional epithelium/Pelvis	Hyperplasia/Medulla, Transitional epithelium	213
TGP-134	2-Bromoethylamine hydrobromide	Kidney	24 hr	Hyaline droplet/Collecting tubule/Papilla	Inclusion body, intracytoplasmic/Medulla, Collecting tubule	213
TGP-134	2-Bromoethylamine hydrobromide	Kidney	24 hr	Cast, hyaline/Distal tubule, convoluted	Cast, hyaline/Cortex, Renal tubule	214
TGP-134	2-Bromoethylamine hydrobromide	Kidney	Day 4	Karyomegaly/Collecting tubule/Papilla; Regeneration/Collecting tubule/Papilla	Karyomegaly/Medulla, Henle's loop, Papilla	214
TGP-134	2-Bromoethylamine hydrobromide	Kidney	Day 4	Hyaline droplet/Transitional epithelium/Pelvis	Inclusion body, intracytoplasmic/Medulla, Transitional epithelium	215
TGP-134	2-Bromoethylamine hydrobromide	Kidney	Day 4	Necrosis/Papilla	Necrosis/Medulla, Papilla	215
TGP-134	2-Bromoethylamine hydrobromide	Kidney	Day 15	Regeneration/Proximal tubule, convoluted and straight	Regeneration/Cortex	216
TGP-134	2-Bromoethylamine hydrobromide	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted; Eosinophilic body/Proximal tubule, convoluted	Hyaline droplet/Cortex, Renal tubule	216
TGP-135	Ethionamide	Liver	9 hr	Microgranuloma/Midlobular	Microgranuloma	217
TGP-135	Ethionamide	Liver	9 hr	Change, eosinophilic/Hepatocyte/Periportal; Hypertrophy/Kupffer cell/Diffuse; Hypertrophy/Hepatocyte/Periportal	Change, eosinophilic/Periportal; Proliferation/Kupffer cell	217
TGP-135	Ethionamide	Liver	9 hr	Hypertrophy/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	218
TGP-135	Ethionamide	Liver	Day 4	Increased mitosis/Hepatocyte/Midlobular	Increased mitosis/Hepatocyte	218
TGP-135	Ethionamide	Liver	Day 4	Degeneration, vacuolar/Hepatocyte/Centrilobular; Anisokaryosis/Hepatocyte/Centrilobular	Vacuolization, cytoplasmic/Centrilobular	219
TGP-135	Ethionamide	Liver	Day 4	Necrosis, single cell/Hepatocyte/Centrilobular; Anisokaryosis/Hepatocyte/Diffuse	Single cell necrosis/Centrilobular	219
TGP-135	Ethionamide	Liver	Day 4	Anisokaryosis/Hepatocyte/Centrilobular	Vacuolization, nuclear/Hepatocyte	220
TGP-135	Ethionamide	Liver	Day 4	Necrosis/Hepatocyte/Focal; Cellular infiltration, neutrophil	Necrosis/Centrilobular	220
TGP-135	Ethionamide	Kidney	Day 4	Degeneration, vacuolar/Proximal tubule, convoluted and straight (brush border)	Vacuolization, cytoplasmic/Renal tubule	221
TGP-135	Ethionamide	Kidney	Day 8	Necrosis/Proximal tubule, convoluted; Regeneration/Proximal tubule, convoluted; Increased mitosis/Proximal tubule, convoluted	Necrosis, tubular epithelium; Regeneration/Renal tubule; Increase mitosis/Renal tubule	221
TGP-136	Nimesulide	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular; Ground glass appearance/Centrilobular	222
TGP-136	Nimesulide	Kidney	24 hr	Dilatation/Distal tubule, convoluted and straight; Intraluminal eosinophilic material/Proximal tubule, convoluted	Dilatation/Renal tubule, cortex; Proteinous droplet/Renal tubule, cortex	222
TGP-136	Nimesulide	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Cellular infiltration, lymphocyte	Regeneration/Renal tubule; Cellular infiltration, lymphocyte	223
TGP-136	Nimesulide	Kidney	Day 29	Mineralization/Medulla	Cast, hyaline/Medulla	223
TGP-136	Nimesulide	Kidney	Day 29	Cast, hyaline/Distal tubule, convoluted	Cast, hyaline/Cortex	224
TGP-136	Nimesulide	Kidney	Day 29	Necrosis/Papilla	Necrosis/Papilla	224
TGP-137	Ethanol	Liver	9 hr	Degeneration, vacuolar/Hepatocyte/Midlobular	Deposit/lipid	225
TGP-137	Ethanol	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Centrilobular/Change, eosinophilic	225
TGP-138	Phenacetin	Liver	Day 8	Hematopoiesis, extramedullary/Sinusoid; Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hematopoiesis, extramedullary/Diffuse	226
TGP-138	Phenacetin	Liver	Day 8	Hematopoiesis, extramedullary/Sinusoid	Hematopoiesis, extramedullary/Diffuse	226
TGP-138	Phenacetin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	227
TGP-138	Phenacetin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	227
TGP-138	Phenacetin	Liver	Day 29	Deposit, brown pigment/Kupffer cell/Periportal	Deposit, hemosiderin/Periportal	228
TGP-138	Phenacetin	Liver	Day 29	Deposit, brown pigment/Kupffer cell/Periportal	Deposit, hemosiderin/Periportal	228
TGP-138	Phenacetin	Kidney	Day 15	Necrosis/Papilla	Necrosis/Papilla	229
TGP-138	Phenacetin	Kidney	Day 15	Necrosis/Papilla	Necrosis/Papilla	229
TGP-138	Phenacetin	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Change, basophilic/Cortex	230
TGP-138	Phenacetin	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Change, basophilic/Cortex	230
TGP-138	Phenacetin	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Diffuse/Cortex	231

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TGP-138 Phenacetin	Kidney	Day 29	Hyaline droplet/Proximal tubule, convoluted	Eosinophilic body/Diffuse/Cortex	231
TGP-138 Phenacetin	Kidney	Day 29	Cast, hyaline/Collecting tubule/Medulla	Cast, hyaline	232
TGP-138 Phenacetin	Kidney	Day 29	Cast, hyaline/Collecting tubule/Medulla	Cast, hyaline	232
TGP-139 Bucetin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	233
TGP-139 Bucetin	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Change, eosinophilic/Centrilobular	233
TGP-139 Bucetin	Liver	Day 29	Deposit, brown pigment/Kupffer cell/Midlobular	Deposit, pigment/Kupffer cell	234
TGP-140 N-Phenylanthranilic acid	Liver	24 hr	Ground glass appearance/Hepatocyte/Centrilobular	Change eosinophilic/Hepatocyte	235
TGP-140 N-Phenylanthranilic acid	Liver	24 hr	Ground glass appearance/Hepatocyte/Centrilobular	Change eosinophilic/Hepatocyte	235
TGP-140 N-Phenylanthranilic acid	Liver	24 hr	Increased mitosis/Hepatocyte/Diffuse	Increased mitosis	236
TGP-140 N-Phenylanthranilic acid	Liver	24 hr	Increased mitosis/Hepatocyte/Centrilobular	Increased mitosis	236
TGP-140 N-Phenylanthranilic acid	Liver	Day 15	Atrophy/Hepatocyte/Centrilobular	Atrophy/Hepatic cord	237
TGP-140 N-Phenylanthranilic acid	Liver	Day 15	Atrophy/Hepatocyte/Diffuse	Atrophy/Hepatic cord	237
TGP-140 N-Phenylanthranilic acid	Kidney	24 hr	Necrosis/Papilla	Necrosis/Papilla	238
TGP-140 N-Phenylanthranilic acid	Kidney	24 hr	Necrosis/Papilla	Necrosis/Papilla	238
TGP-140 N-Phenylanthranilic acid	Kidney	Day 4	Hyperplasia/Transitional epithelium/Pelvis; Regeneration/Collecting tubule/Papilla	Hyperplasia/Transitional epithelium	239
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Dilatation/Collecting and distal tubule, convoluted and straight	Dilatation/Renal tubule	239
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Dilatation/Collecting and distal tubule, convoluted and straight	Dilatation/Renal tubule	240
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Cast, hyaline/Distal tubule, convoluted	Cast, hyaline	240
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Cast, hyaline/Distal tubule, convoluted	Cast, hyaline	241
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Regeneration/Collecting tubule/Papilla	Change basophilic/medullar	241
TGP-140 N-Phenylanthranilic acid	Kidney	Day 15	Regeneration/Collecting tubule/Papilla	Change basophilic/medullar	242
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Cellular infiltration, lymphocyte	Change basophilic/cortex	242
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Cellular infiltration, lymphocyte	Change basophilic/cortex	243
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Cellular infiltration, lymphocyte/Perivascular	Cellular infiltration, lymphocyte/Perivascular	243
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Cellular infiltration, lymphocyte/Perivascular	Cellular infiltration, lymphocyte/Perivascular	244
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Degeneration, mucinous/Papilla	Cellular infiltration, neutrophil/Papilla	244
TGP-140 N-Phenylanthranilic acid	Kidney	Day 29	Cellular infiltration, neutrophil/Papilla	Cellular infiltration, neutrophil/Papilla	245
TGP-141 Cephalothin	Kidney	Day 15	Eosinophilic globule/Proximal tubule, convoluted	Cytoplasmic granule, proximal tubule	246
TGP-142 Cyclosporine A	Liver	9 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Change, acidophilic/Hepatocyte	247
TGP-142 Cyclosporine A	Liver	9 hr	Hypertrophy/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Change, acidophilic/Hepatocyte	247
TGP-142 Cyclosporine A	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted and straight	Degeneration/Proximal tubule/Vacuolization (Vacuolation), cytoplasmic/Change, basophilic	248
TGP-142 Cyclosporine A	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted and straight	Degeneration/Proximal tubule/Vacuolization (Vacuolation), cytoplasmic/Change, basophilic	248
TGP-142 Cyclosporine A	Kidney	Day 29	Regeneration/Proximal tubule, convoluted and straight; Mineralization/Distal tubule, convoluted and straight	Regeneration/Proximal tubule	249
TGP-142 Cyclosporine A	Kidney	Day 29	Regeneration/Proximal tubule, convoluted and straight	Regeneration/Proximal tubule	249
TGP-142 Cyclosporine A	Kidney	Day 29	Mineralization/Distal tubule, convoluted and straight	Mineralization/Renal tubule/Medulla	250
TGP-142 Cyclosporine A	Kidney	Day 29	Mineralization/Distal tubule, convoluted and straight	Mineralization/Renal tubule/Medulla	250
TGP-143 Puromycin aminonucleoside	Liver	6 hr	Hypertrophy and proliferation/Kupffer cell/Centrilobular	Proliferation, Kupffer cell/ Centrilobular	251
TGP-143 Puromycin aminonucleoside	Liver	24 hr	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	251
TGP-143 Puromycin aminonucleoside	Liver	Day 8	Degeneration, vacuolar/Hepatocyte/Diffuse; Hypertrophy/Hepatocyte/Diffuse	Atrophy/Centrilobular	252



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TGP-143 Puromycin aminonucleoside	Liver	Day 8	Change, basophilic/Hepatocyte/Diffuse; Degeneration, vacuolar/Hepatocyte/Diffuse	Change, basophilic/Hepatocyte; Vacuolization, cytoplasmic/Hepatocyte	252
TGP-143 Puromycin aminonucleoside	Liver	Day 8	Necrosis, single cell/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Diffuse	Single cell necrosis/Hepatocyte; Inclusion body, intracytoplasmic, Eosinophilic/ Hepatocyte	253
TGP-143 Puromycin aminonucleoside	Liver	Day 8	Increased mitosis/Hepatocyte/Centrilobular	Increased mitosis/Hepatocyte	253
TGP-143 Puromycin aminonucleoside	Kidney	Day 8	Eosinophilic globule/Glomerulus; Deposit, eosinophilic material/Mesangium/Glomerulus	Hyaline droplet/Cortex, Glomerulus, Podocyte; Thickening/Cortex, Glomerular wall	254
TGP-143 Puromycin aminonucleoside	Kidney	Day 15	Degeneration, vacuolar/Glomerulus; Dilatation/Proximal and distal tubule, convoluted; Regeneration/Bowman's capsule epithelium and podocyte/Glomerulus; Increased mitosis/Proximal tubule, convoluted (not shown in this figure)	Lesion, NOS, Collapse/Cortex, Glomerulus; Degeneration/Cortex, Podocyte, Glomerulus	254
TGP-143 Puromycin aminonucleoside	Kidney	Day 15	Degeneration, vacuolar/Proximal tubule, convoluted; Regeneration/Proximal tubule, convoluted	Degeneration/Renal tubule	255
TGP-143 Puromycin aminonucleoside	Kidney	Day 15	Regeneration/Collecting tubule	Regeneration/Renal tubule	255
TGP-143 Puromycin aminonucleoside	Kidney	Day 29	Dilatation/Distal tubule, convoluted; Dilatation/Bowman's capsule/Glomerulus; Fibrosis; Cellular infiltration, lymphocyte	Dilatation/Cortex, Renal tubule, Bowman's capsule; Fibrosis/Interstitium, Connective tissue; Cellular infiltration/Interstitium, Connective tissue	256
TGP-143 Puromycin aminonucleoside	Kidney	Day 29	Regeneration/Bowman's capsule epithelium and podocyte/Glomerulus; Regeneration/Proximal tubule, convoluted	Regeneration/Cortex, Bowman's capsule epithelial cell/Podocyte	256
TGP-143 Puromycin aminonucleoside	Kidney	Day 29	Cast, hyaline/Proximal and distal tubule, convoluted and straight	Cast, hyaline/Renal tubule	257
TGP-144 2-Acetamidofluorene	Liver	Day 8	Cellular infiltration, mononuclear cell/Periportal; Proliferation/Oval cell/Periportal	Cellular infiltration	258
TGP-144 2-Acetamidofluorene	Liver	Day 15	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular; Degeneration, vacuolar/Hepatocyte/Diffuse (not shown in this figure)	Swelling/Centrilobular	258
TGP-144 2-Acetamidofluorene	Liver	Day 29	Proliferation/Oval cell/Periportal	Proliferation, oval cell/Periportal	259
TGP-144 2-Acetamidofluorene	Liver	Day 29	Proliferation/Oval cell/Periportal	Proliferation, oval cell/Periportal	259
TGP-144 2-Acetamidofluorene	Liver	Day 29	Proliferation/Bile duct/Periportal; Proliferation/Oval cell/Periportal	Proliferation, bile duct/Periportal	260
TGP-144 2-Acetamidofluorene	Liver	Day 29	Altered foci/Hepatocyte	Cellular foci	260
TGP-144 2-Acetamidofluorene	Liver	Day 29	Adenoma/Hepatocyte	Adenoma, hepatocellular	261
TGP-144 2-Acetamidofluorene	Liver	Day 29	Adenoma/Hepatocyte	Adenoma, hepatocellular	261
TGP-145 N-Nitrosodiethylamine	Liver	9 hr	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Swelling/Centrilobular	262
TGP-145 N-Nitrosodiethylamine	Liver	24 hr	Necrosis, single cell/Hepatocyte/Centrilobular	Single cell necrosis/Centrilobular	262
TGP-145 N-Nitrosodiethylamine	Liver	Day 4	Necrosis, single cell/Hepatocyte/Centrilobular; Change, eosinophilic/Hepatocyte/Centrilobular	Change, acidophilic/Centrilobular	263
TGP-145 N-Nitrosodiethylamine	Liver	Day 8	Necrosis, single cell/Hepatocyte/Centrilobular	Necrosis/Centrilobular	263
TGP-145 N-Nitrosodiethylamine	Liver	Day 15	Proliferation/Bile duct/Periportal; Proliferation/Oval cell/Periportal	Proliferation, bile duct/Periportal	264
TGP-145 N-Nitrosodiethylamine	Liver	Day 15	Altered foci/Hepatocyte	Disarrangement/Hepatic cord	264
TGP-145 N-Nitrosodiethylamine	Liver	Day 15	Karyomegaly/Hepatocyte	Anisonucleosis/Hepatocyte	265
TGP-145 N-Nitrosodiethylamine	Liver	Day 29	Altered foci/Hepatocyte/Midlobular	Cellular foci	265
TGP-145 N-Nitrosodiethylamine	Kidney	Day 15	Degeneration, vacuolar/Proximal tubule, convoluted	Vacuolization (Vacuolation), cytoplasmic/ Proximal tubule	266
TGP-145 N-Nitrosodiethylamine	Kidney	Day 15	Dilatation/Proximal tubule, convoluted	Dilatation/Distal tubule	266
TGP-146 Ticlopidine	Liver	Day 29	Hypertrophy/Hepatocyte/Centrilobular; Ground glass appearance/Hepatocyte/Centrilobular	Hypertrophy/Centrilobular	267
TGP-147 Gentamicin sulphate	Kidney	Day 8	Eosinophilic globule/Proximal tubule, convoluted	Degeneration, Deposit, granule/ Renal tubule	268
TGP-147 Gentamicin sulphate	Kidney	Day 15	Cellular infiltration, mononuclear cell; Regeneration/Proximal tubule, convoluted	Cellular infiltration/ Interstitium, Connective tissue	268
TGP-147 Gentamicin sulphate	Kidney	Day 15	Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Degeneration, Change, basophilic/ Renal tubule	269
TGP-147 Gentamicin sulphate	Kidney	Day 15	Necrosis/Proximal tubule, convoluted; Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Necrosis/Renal tubule	269

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TGP-147 Gentamicin sulphate	Kidney	Day 29	Dilatation/Proximal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Dilatation/Renal tubule	270
TGP-147 Gentamicin sulphate	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Cellular infiltration, mononuclear cell	Regeneration/Renal tubule	270
TGP-148 Vancomycin	Kidney	24 hr	Cast, cellular/Distal tubule, convoluted; Dilatation/Proximal and distal tubule, convoluted	Cast, cellular/Renal tubule; Dilatation/Renal tubule	271
TGP-148 Vancomycin	Kidney	24 hr	Cast, cellular/Distal tubule, convoluted; Cast, hyaline/Proximal tubule, convoluted	Cast, cellular/Renal tubule; Cast, hyaline/Renal tubule	271
TGP-148 Vancomycin	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted; Neutrophilic debris/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted; Regeneration/Proximal tubule, convoluted	Degeneration/Renal tubule; Cast, cellular/Renal tubule; Dilatation/Renal tubule	272
TGP-148 Vancomycin	Kidney		Degeneration, vacuolar/Proximal tubule, convoluted; Neutrophilic debris/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted; Regeneration/Proximal tubule, convoluted	Degeneration/Renal tubule; Cast, cellular/Renal tubule; Dilatation/Renal tubule	272
TGP-148 Vancomycin	Kidney	Day 29	Cellular infiltration, neutrophil and lymphocyte; Neutrophilic debris/Proximal tubule, convoluted; Dilatation/Distal tubule, convoluted; Necrosis/Proximal tubule, convoluted	Cellular infiltration/Interstitial, Connective tissue; Cast, cellular/Renal tubule; Dilatation/Renal tubule	273
TGP-148 Vancomycin	Kidney	Day 29	Degeneration, vacuolar/Proximal tubule, convoluted and straight; Regeneration/Proximal tubule, convoluted and straight	Degeneration/Renal tubule	273
TGP-148 Vancomycin	Kidney	Day 29	Regeneration/Proximal tubule, convoluted	Regeneration/Renal tubule	274
TGP-149 Doxorubicin hydrochloride	Liver	Day 29	Degeneration, granular, eosinophilic/Hepatocyte/Periportal	Change, eosinophilic, Granular/Peripheral	275
TGP-149 Doxorubicin hydrochloride	Kidney	Day 29	Deposit, eosinophilic material/Mesangium/Glomerulus	Thickening/Cortex, Glomerular wall	275
TGP-149 Doxorubicin hydrochloride	Kidney	Day 29	Cast, hyaline/Proximal and distal tubule, straight	Cast, hyaline/Renal tubule	276
TGP-149 Doxorubicin hydrochloride	Kidney	Day 29	Regeneration/Proximal tubule, convoluted; Dilatation/Proximal and distal tubule, convoluted; Necrosis/Proximal tubule, convoluted	Degeneration, Change, basophilic, Dilatation/Renal tubule; Necrosis/Cortex, Renal tubule	276
TGP-149 Doxorubicin hydrochloride	Kidney	Day 29	Degeneration, vacuolar/Transitional epithelium/Pelvis	Vacuolization (Vacuolation), cytoplasmic/Medulla, Transitional epithelium	277