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Systems microscopy to unravel cellular stress response signalling in drug induced liver injury

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List of abbreviations

ADR: Adverse Drug Reaction
AMAP: 3'-hydroxyacetanilide
AMI: amiodarone
AOP: Adverse Outcome Pathway
APAP: acetaminophen/ paracetamol
BAC: Bacterial Artificial Chromosome
BFA: Brefeldin A
CBZ: carbamazepine
CDDO-Me: bardoxolone methyl (methyl-2-cyano 3,12-dioxooleano-1,9-dien-28-oate)
CLZ: clozapine
DCF: diclofenac
DDR: DNA damage response
DEM: di-ethyl maleate
DEM: Diethylmaleate
DILI: Drug-Induced Liver Injury
ER-stress Endoplasmic Reticulum stress
IAA: Iodoacetamide
INH: isoniazid
H₂O₂: hydrogen peroxide
HCI: High Content Imaging
HTS: High Throughput Screening
HTI: High Throughput Imaging
HTM: High Throughput Microscopy
KTZ: ketoconazole
MEN: menadione
MTX: methotrexate
NFZ: nefazodone
NPX: naproxen
NTF: nitrofurantoin
OFX: ofloxacin
OSR: Oxidative stress response/ antioxidant pathways
PHH: primary human hepatocytes
PI: propidium iodide
ROS: reactive oxygen species
SN: simvastatin
siRNA: small interfering RNA
Tc: Tunicamycin
Tg: Thapsigargin
TGZ: troglitazone
UPR: Unfolded Protein Response