

Definitions of Acronyms

The following are definitions for acronyms used throughout the DTT Chemistry Specifications and related documents.

Chemistry-related Terminology

ADME	absorption, distribution, metabolism, and excretion
AES	atomic emission spectroscopy
CASRN	Chemical Abstracts Service registry number
CI	confidence interval
CID	chemical identifier
COA	certificate of analysis
DMSO	dimethyl sulfoxide
DTTID	Division of Translational Toxicology Identifier
DTXSID	Distributed Structure-Searchable Toxicity Substance Identifier
ELOQ	experimental limit of quantitation
FID	flame ionization detection
GC	gas chromatography
GC-MS	gas chromatography-mass spectrometry
GI	gastrointestinal
GLP	Good Laboratory Practices
HPLC	high-performance liquid chromatography
HRMS	high-resolution mass spectrometry
IACUC	Institutional Animal Care and Use Committee
IC	ion chromatography
ICP	inductively coupled plasma
ICP-MS	inductively coupled plasma-mass spectrometry
IR	infrared
IS	internal standard
IV	intravenous
LC-MS	liquid chromatography-mass spectrometry
LLOQ	lower limit of quantitation
LOD	limit of detection
LOQ	limit of quantitation

Acronyms (DTT Chemistry Specifications)

MS	mass spectrometry
NMR	nuclear magnetic resonance
NTA	nontargeted analysis
PCA	principal component analysis
PFAS	per- and polyfluoroalkyl substances
ppb	parts per billion (ng/kg)
ppm	parts per million (mg/kg)
qNMR	quantitative NMR
RE	relative error
RRF	relative response factor
RSD	relative standard deviation
RT	room temperature
SEM	scanning electron microscopy
SID	substance identifier
SRM	standard reference material
TEM	transmission electron microscopy
TEQ	toxic equivalency
TK	toxicokinetics
UV/VIS	ultraviolet/visible
VOC	volatile organic compound
XRD	x-ray diffraction

Applications

DSSTox	Distributed Structure-Searchable Toxicity Database
DTT PMS	ORBIT
IMS	information management system
ORBIT	Organizational Resource and Business Information Tool
SMILE	Simplified Molecular Input Line Entry System

Contract

CO	contracting officer
COR	contracting officer's representative
FA	functional activity
MSR	monthly status report

Acronyms (DTT Chemistry Specifications)

PDF	portable document format
PI	principal investigator
PM	program or project manager

Government Departments and Agencies

ANSI	American National Standards Institute
DEA	Drug Enforcement Administration
DOT	Department of Transportation
DTT	Division of Translational Toxicology
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
IATA	International Air Transport Association
IUPAC	International Union of Pure and Applied Chemistry
NIEHS	National Institute of Environmental Health Sciences
NIH	National Institutes of Health
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OLAW	Office of Laboratory Animal Welfare
OSHA	Occupational Safety and Health Administration

Health and Safety

APR	air-purifying respirator
CFR	Code of Federal Regulations
CHO	chemical hygiene officer
HASP	health and safety plan
HEPA	high-efficiency particulate air [filter]
HSO	health and safety officer
HVAC	heating, ventilation, and air conditioning
PEL	permissible exposure limit
PHS	public health service
REL	recommended exposure limit
SDS	safety data sheet
SSP	system security plan
TLV	threshold limit value

WEEL workplace environmental exposure levels

Quality Assurance

QA quality assurance
QAO quality assurance officer
QAU quality assurance unit
QC quality control
QMP quality management plan
SOP standard operating procedure

Functional Activities

ADMES absorption, distribution, metabolism, and excretion studies
AWA annual water analysis
BMD biosample method development
BSA biological sample analysis
CCA comprehensive chemical analysis
CH chemical handling
CIPS chemical identity and purity screen
CP chemical procurement
CRA chemical reanalysis
CS chemical storage
FA formulation analysis
FD formulation development
FPAS formulation preparation, analysis, and shipment
IVA in vitro assays
MCH multiple chemical handling
MCP multiple chemical procurement
MIPS multiple chemical identity and purity screen
PD protocol development
PFS preliminary formulation studies
SCA special chemical activity
SHIP shipment
TKS toxicokinetic studies
VA vehicle analysis