

ABBREVIATIONS

Some common abbreviations used in HPLC pharmaceutical analysis:

ACN	Acetonitrile	MeOH	Methanol
ADME	Absorption, distribution, metabolism and excretion	MS	Mass Spectrometry
APCI	Atmospheric pressure chemical ionisation	NCE	New Chemical Entity
API	Active Pharmaceutical Ingredient	NDA	New Drug Application
AUFS	Absorption Units Full Scale	NME	New Molecular Entity
CDS	Chromatography Data System	NMR	Nuclear Magnetic Resonance
CN	Cyano	NP	Normal Phase
CSP	Chiral Stationary Phase	OD	Outer diameter
DAD	Diode Array Detector	ODS	Octadecylsilane
DMPK	Drug Metabolism and Pharmacokinetics	PDA	Photodiode Array
ECD	Electrochemical Detector	PEEK	Polyetherether ketone
ELSD	Evaporative Light Scattering Detector	pH	Parts hydrogen (measure of acidity)
EMA	European Medicines Agency	PK	Pharmacokinetics
EP	European Pharmacopoeia	pKa	Dissociation constant of an acid
ESI	Electrospray ionisation	ppm	Parts per million
FDA	Food and Drug Administration	psi	Pounds per square inch
GC	Gas Chromatography	PTFE	Poly(tetrafluoroethylene), Teflon
GCP	Good Clinical Practice	QA	Quality Assurance
GFC	Gel Filtration Chromatography	QC	Quality Control
GLP	Good Laboratory Practice	QSAR	Quantitative Structure Activity Relationship
GMP	Good Manufacturing Practice	RI	Refractive Index
GPC	Gel Permeation Chromatography	RP	Reversed Phase
HILIC	Hydrophilic Interaction Chromatography	RRT	Relative Retention Time
HPLC	High Performance Liquid Chromatography	RT	Retention Time
HTS	High Throughput Screening	SAR	Structure Activity Relationship
ICH	International Conference on Harmonisation	SEC	Size-exclusion Chromatography
ID	Internal Diameter	SFC	Supercritical-fluid Chromatography
IEC	Ion-exchange Chromatography	SOP	Standard Operating Procedure
IND	Investigational New Drug	SPE	Solid Phase Extraction
IP	Ion Pairing	SST	System Suitability Test
IPA	Isopropanol (iso propyl alcohol)	TEA	Triethylamine
JP	Japanese Pharmacopoeia	TFA	Trifluoroacetic acid
LC	Liquid Chromatography	THF	Tetrahydrofuran
LCMS	Liquid Chromatography Mass Spectrometry	TLC	Thin Layer Chromatography
LIMS	Laboratory Information Management System	TMS	Trimethyl chlorosilane
LOD	Limit of Detection	UHPLC	Ultra High Pressure Liquid Chromatography
LOQ	Limit of Quantification	USP	United States Pharmacopeia
MAA	Marketing Authorisation Application	UV	Ultraviolet
MeCN	Acetonitrile (methyl cyanide)		