

List of Abbreviations and Symbols

% Deg	Percentage Degradation
°C	Degree Celsius
ACN	Acetonitrile
ALK	Anaplastic lymphoma kinase
ANDA	Abbreviated new drug application
API	Active Pharmaceutical Ingredient
AU	Absorbance units
BBD	Broadband decoupled
CN	Cyanide
DEPT	Distortion-less enhancement by polarization transfer
DMF	Drug master files
DMSO-d6	Dimethylsulphoxie-d6
DPs	Degradation Products
DSC	Differential Scanning calorimeter
EMA	European Medicines Evaluation Agency
EML4	Echinoderm microtubule-associated protein-like 4
ESI-MS	Electro Spray Ionization Mass Spectrometry
FTIR	Fourier transform infrared spectroscopy
g	Grams
GC	Gas Chromatography
H2O2	Hydrogen Peroxide
HCl	Hydrochloric Acid
HPLC	High Performance Liquid Chromatography
HPTLC	High Performance Thin Layer Chromatography
HRMS	High-resolution mass spectrometry
ICH	International Conference of Harmonization
K	Kelvin
LC	Liquid Chromatography

LC-MS	Liquid chromatography mass spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantification
M	Mole
m/z	Mass-to-charge ratio
MeOH	Methanol
mg	Milligrams
mHz	Mega hertz
min	minutes
mL	Milliliters
mm	Millimeters
mM	Millimolar
MS	Mass Spectroscopy
MW	Molecular Weight
N	Normal
NaOH	Sodium Hydroxide
NCE	New chemical entity
nm	Nanometer
NMR	Nuclear magnetic resonance
NSCLC	Non-small-cell lung cancer
PDA	Photodiode array
pKa	Acid dissociation constant
Ppm	parts per million
RSD	Relative Standard Deviation
SIAMs	Stability indicating analytical methods
t _{1/2}	Half-life
TEA	Triethylamine
TLC	Thin Layer Chromatography
TMS	Tetramethyl Silane
USFDA	United States Food Drug Administration
UV	Ultraviolet

w/v	Mass concentration/ Weight to volume ratio
WHO	World Health Organization
XRPD	X-Ray Powder Diffraction chromatography
λ_{\max}	Wavelength maxima
μ	Micro