LIST OF ABBREVIATIONS

% Deg= % Degradation

% Deg= Percentage Degradation

ACN= Acetonitrile

Adj r^2= Adjusted r^2

AIS= Acute Ischemic Stroke

ALS= Amylotropic Lateral Sclerosis

ANOVA= Analysis of Variance

AP= Adequate Precision

API= Active Pharmaceutical Ingredients

AQbD= Analytical Quality by Design

ARTIs= Acute Respiratory Tract Infections

ATP= Analytical Target Profile

BBD= Box Behenken Design

C & E= Cause and Effect Analysis

CCD= Central Composite Design

CE= Capillary Electrophoresis

CEC= Capillary Electro-chromatography

CIO= Ciclopirox Olamine

CLND= Chemiluminescent Nitrogen Detector

CNX= Control Noise and Experiments

Conc.= Concentration

Corona CAD= Corona Charged Aerosol Detector

CQA= Critical Quality Attributes

DCM= Dichloromethane

DF= Degree of Freedom

DMS= Dimethyl Sulfate

DoE= Design of Experiments

DPs= Degradation Products

DS= Design Space

EDA= Edaravone

ELSD= Evaporative Light Scattering Detector

EU= Extended Uncertainty

FFD= Full Factorial Design

FMEA= Failure Mode Effect Analysis

FQM= Full Quadratic Model

FTICR= Fourier Transform Ion Cyclotron Resonance

FT-IR Spectroscopy=Fourier Transform Infrared Spectroscopy

GAA= Glacial Acetic Acid

GC= Gas Chromatography

H_2O_2= Hydrogen Peroxide

HCl= Hydrochloric Acid

HILIC= Hydrophilic Interaction Liquid Chromatography

HMBC= Heteronuclear Multiple Bond Correlation

HPLC= High Performance Liquid Chromatography

HPTLC= High Performance Thin Layer Chromatography

HSQC= Heteronuclear Single Quantum Correlation

ICH= International Conference on Harmonization

IP= Intermediate Precision

LC= Liquid Chromatography

LOD= Limits of Detection

LOF= Lack of Fit

LOQ= Limits of Quantification

MeOH= Methanol

MODR= Method Operable Design Region

MS= Mass Spectroscopy

MW= Molecular Weight

NaOH= Sodium Hydroxide

NCE= New Chemical Entity

NMR= Nuclear Magnetic Resonance

PBD= Plackett Burman Design

PDM= Pidotimod

Pred r^2= Predicted r^2

PRESS= Predicted Residual Error Sum of Squares

QbD= Quality by Design

RA= Risk Assessment

Rep= Repeatability

REU= Relative Extended Uncertainty

RQM= Reduced Quadratic Model

RSD= Relative Standard Deviation

RSM= Response Surface Methodology

Rt= retention Time

SD= Standard Deviation

SFC= Supercritical Fluid Chromatography

SIAMs= Stability Indicating Assay Method

SPE= Solid Phase Extraction

SS= Sum of Squares

TDI= Total Daily Intake

TEA= Triethyl Amine

Temp.= Temperature

TLC= Thin Layer Chromatography

TOF= Time of Flight

UM= Uncertainty of Measurment

UPLC= Ultrahigh Performance Liquid Chromatography

US-FDA= US Food and Drug Administration

UV= Ultraviolet