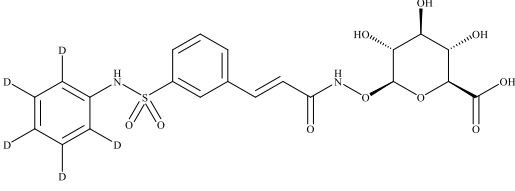


Certificate of Analysis

Certificate No.: 20200907005

Date: September 7, 2020

Retest date: August 26, 2023

Compound Name:	Belinostat-d₅ Glucuronide	
Synonyms:	(2S,3S,4S,5R,6S)-3,4,5-trihydroxy-6-(((E)-3-(3-(N-(phenyl-d ₅)sulfamoyl)phenyl)acrylamido)oxy)tetrahydro-2H-pyran-2-carboxylic acid	
TLC Catalogue Number:	B-130014	
CAS Number:	1486471-13-9 (non-labelled)	
Molecular Weight:	499.50	
Molecular Formula:	C ₂₁ H ₁₇ D ₅ N ₂ O ₁₀ S	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3945-087A6	
Storage Conditions:	Hygroscopic, store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.2%
Impurity (HPLC)	RT 13.74, 0.31%; RT 13.93, 0.24%	
Isotopic Enrichment	Not less than 98.0%	98.8%
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.65, CH ₃ OH): -36.7°
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 90.0%	94.1%
Recommendation:	Released.	

Name	Department	Signature	Date
Reviewed and approved by:	Analytical Services		
Approved by:	Quality Assurance		

Attachments: HPLC, IR, MS and NMR spectra.