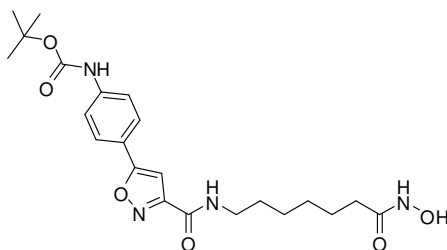




Certificate of Analysis

Axon Catalogue ID: 1645 **Batch Number:** 2
Product Name: HDAC6 inhibitor ISOX
Alternative Name(s): BML 281; CAY 10603; ISOX
IUPAC Name: tert-Butyl 4-(3-(7-(hydroxyamino)-7-oxoheptylcarbamoyl)isoxazol-5-yl)phenylcarbamate

Structure:



Amount:

CAS number(s): 1045792-66-2
Molecular Formula: C₂₂H₃₀N₄O₆ **Molecular Weight:** 446.50
Batch Molecular Formula: C₂₂H₃₀N₄O₆·0.1H₂O **Batch Molecular Weight:** 448.30
Appearance: Off-white solid **Observed mp:** 174 - 177 °C
TLC (R_f): 0.55 DCM/MeOH/AcOH (9:1:0.1)
Chemical Purity: 98.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.94, H 6.79, N 12.50; Found: C 58.63, H 6.79, N 12.25
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	44.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 13-02-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only