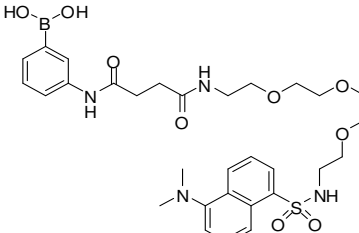




Certificate of Analysis

Axon Catalogue ID:	2257	Batch Number:	1
Product Name:	Dansyl-PEG-phenylboronic acid		
Alternative Name(s):	N.A.		
IUPAC Name:	3-(1-(5-(Dimethylamino)naphthalene-1-sulfonamido)-13-oxo-3,6,9-trioxa-12-azahexadecanamido)phenylboronic acid		
Structure:			
CAS number(s):	1661014-49-8	Amount:	
Molecular Formula:	C ₃₀ H ₄₁ BN ₄ O ₉ S	Molecular Weight:	644.54
Batch Molecular Formula:	C ₃₀ H ₄₁ BN ₄ O ₉ S	Batch Molecular Weight:	644.54
Appearance:	Pale-yellow solid	Observed mp:	92 - 94 °C
TLC (R_f):	0.5	DCM/MeOH (9:1)	
Chemical Purity:	98.0%		
Optical Purity (ee):	N.A.		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 55.90, H 6.41, N 8.69; Found: C ND, H ND, N ND		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)	0.0	0.0
	0.1N HCl (aq)	19.0	29.5
	DMSO	64.5	>100 mM
	MeOH	64.5	>100 mM
Remarks:	Stock solution can be prepared by dissolving Dansyl-PEG-phenylboronic acid (Axon 2257) in MeOH (0.1 M), which can be diluted by water up to 1 mM solution in MeOH-H ₂ O (1:100). Compound is hygroscopic.		
QC Date:	29-10-2020		

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