

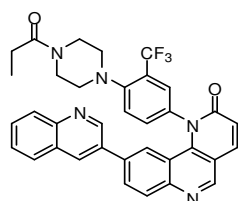


Certificate of Analysis

Axon Catalogue ID: 1833 **Batch Number:** 1
Product Name: Torin 1
Alternative Name(s): N.A.

IUPAC Name: 1-(4-(4-Propionylpiperazin-1-yl)-3-(trifluoromethyl)phenyl)-9-(quinolin-3-yl)benzo[h][1,6]naphthyridin-2(1H)-one

Structure:



Amount:

CAS number(s): 1222998-36-8
Molecular Formula: C₃₅H₂₈F₃N₅O₂ **Molecular Weight:** 607.62
Batch Molecular Formula: C₃₅H₂₈F₃N₅O₂ **Batch Molecular Weight:** 607.62
Appearance: Off-white solid **Observed mp:** 240.7 - 242.6 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 98.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.18, H 4.64, N 11.53; Found: C ND, H ND, N ND
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	3.9	6.4	Poorly Soluble, requires warming.
	EtOH			Not Tested

Remarks:

QC Date: 05-09-2018

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