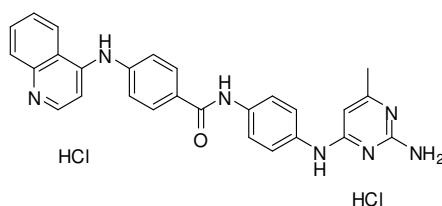




Certificate of Analysis

Axon Catalogue ID: 2347 **Batch Number:** 1
Product Name: SGI 1027 dihydrochloride
Alternative Name(s): S 1027 dihydrochloride
IUPAC Name: N-(4-(2-Amino-6-methylpyrimidin-4-ylamino)phenyl)-4-(quinolin-4-ylamino)benzamide dihydrochloride

Structure:



Amount:

CAS number(s): 1020149-73-8 (parent), 2108487-01-8 (HCl (1:2))
Molecular Formula: C₂₇H₂₃N₇O₂·2HCl **Molecular Weight:** 534.44
Batch Molecular Formula: C₂₇H₂₃N₇O₂·2HCl·2.2H₂O **Batch Molecular Weight:** 574.07
Appearance: Yellow solid **Observed mp:** 233 °C (decomp)
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.49, H 5.16, N 17.08; Found: C 56.80, H 5.55, N 17.19
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	19.0	33.1	
	EtOH			Not Tested

Remarks:

QC Date: 19-08-2019

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