



Certificate of Analysis

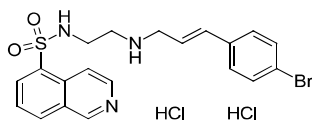
Axon Catalogue ID: 4491 **Batch Number:** 1

Product Name: H-89 dihydrochloride

Alternative Name(s): N.A.

IUPAC Name: 1-(-(3-(4-Bromophenyl)-2-propenylamino)-2-(5-isoquinolylsulfonylamino)ethane dihydrochloride

Structure:



Amount:

CAS number(s): 1000995-75-4 (parent), 130964-39-5 (HCl (1:2))

Molecular Formula: C₂₀H₂₀BrN₃O₂S·2HCl **Molecular Weight:** 519.28

Batch Molecular Formula: C₂₀H₂₀BrN₃O₂S·2HCl·2H₂O **Batch Molecular Weight:** 555.31

Appearance: White solid **Observed mp:** 162 - 164 °C

TLC (R_f): 0.5 DCM/MeOH (9:1)

Chemical Purity: 99.9%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 43.26, H 4.72, N 7.57; Found: C 43.46, H 4.41, N 7.44

Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	31.0	55.8	* Warming (40°C)
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	55.5	>100 mM	
EtOH	0.0	0.0	Insoluble

Remarks: * Warming (40°C) enhanced solubility.

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