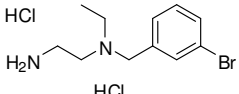




Certificate of Analysis

Axon Catalogue ID: 3348 **Batch Number:** 1
Product Name: NMDAR-TRPM4 blocker C8 dihydrochloride
Alternative Name(s): FMP-A-01; Brophenexin
IUPAC Name: N1-(3-Bromobenzyl)-N1-ethylethane-1,2-diamine dihydrochloride

Structure:  **Amount:**

CAS number(s): 1353979-43-7 (parent), 2243506-33-2 (HCl (1:2))
Molecular Formula: C₁₁H₁₇BrN₂.2HCl **Molecular Weight:** 330.09
Batch Molecular Formula: C₁₁H₁₇BrN₂.2HCl.0.25H₂O **Batch Molecular Weight:** 334.60
Appearance: White solid **Observed mp:** 91.9 - 96.0 °C
TLC (R_f): 0.3 DCM/MeOH/NH₃ (4:1:0.1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 39.49, H 5.87, N 8.37; Found: C 39.11, H 6.06, N 8.57
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	33.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	30.0	89.7	
	EtOH			Not Tested

Remarks: Suspected to be hygroscopic.

QC Date: 28-01-2021

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