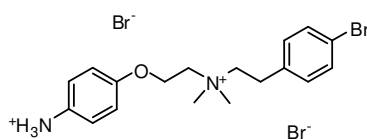




Certificate of Analysis

Axon Catalogue ID: 1877 **Batch Number:** 2
Product Name: 4-APEBA
Alternative Name(s): VUF10996
IUPAC Name: 4-(2-((4-Bromophenethyl)dimethylammonio)ethoxy)benzenaminium dibromide

Structure:



Amount:

CAS number(s): 1227040-19-8 (parent), 1226984-28-6 (bromide (1:2))
Molecular Formula: C₁₈H₂₅Br₃N₂O **Molecular Weight:** 525.12
Batch Molecular Formula: C₁₈H₂₅Br₃N₂O **Batch Molecular Weight:** 525.12
Appearance: Off-white solid **Observed mp:** 238.5 - 239.5 °C
TLC (R_f): 0.37 nBuOH/AcOH/H₂O (3:1:1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 41.17, H 4.80, N 5.33; Found: C 40.98, H 4.74, N 5.27
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	27.0	51.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	52.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 08-05-2020

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