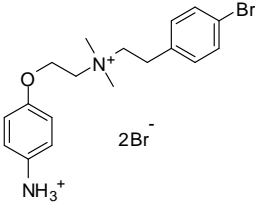




Certificate of Analysis

Axon Catalogue ID:	1877	Batch Number:	1																								
Product Name:	4-APEBA																										
Alternative Name(s):	VUF10996																										
IUPAC Name:	4-(2-((4-Bromophenethyl)dimethylammonio)ethoxy)benzenaminium dibromide																										
Structure:		Amount:																									
CAS number:	1226984-28-6																										
Batch Molecular Formula:	C ₁₈ H ₂₅ Br ₃ N ₂ O	Batch MW:	525.11																								
Appearance:	Light brown solid	Observed m.p.:	249.9-250.2°C																								
TLC (R_f):	N.A. -																										
Chemical Purity:	>99%	Wavelength for purity check:	227 nm																								
Optical Purity (ee):																											
¹H-NMR (300 MHz):	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Not available																										
Storage Conditions:	Store at	<4°C																									
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>18.00</td><td>34.28</td><td>Soluble</td></tr><tr><td>1eq. NaOH</td><td></td><td></td><td>Not tested</td></tr><tr><td>1eq. HCl</td><td></td><td></td><td>Not tested</td></tr><tr><td>DMSO</td><td>24.00</td><td>45.70</td><td>Soluble</td></tr><tr><td>EtOH</td><td></td><td></td><td>Not tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	18.00	34.28	Soluble	1eq. NaOH			Not tested	1eq. HCl			Not tested	DMSO	24.00	45.70	Soluble	EtOH			Not tested		
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Quality controller:	M. Brandsma, MSc.	Date:	27-6-2012																								

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only