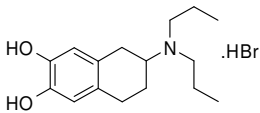




Certificate of Analysis

Axon Catalogue ID	1005	Batch Number:	1																								
Product Name:	TL 232 hydrobromide																										
IUPAC Name:	6-Dipropylamino-5,6,7,8-tetrahydro-naphthalene-2,3-diol hydrobromide																										
Structure:		Amount:																									
CAS number:	62421-17-4	Batch MW:	344.29																								
Batch Molecular Formula:	C ₁₆ H ₂₅ NO ₂ .HBr	Observed m.p.:	236 - 237 °C																								
Appearance:	Grey Solid	Wavelength for purity check:	201 nm																								
TLC (R_f):	0.3 DCM/MeOH (9:1)	Solvent:	D ₂ O																								
Chemical Purity:	99%	Ion:	264 m/z																								
Optical Purity (ee):		Method:	ESI:M+1																								
¹H-NMR (300 MHz):	Analytical data confirm chemical structure	Microanalysis:	Not available																								
Mass Spec:	Analytical data confirm chemical structure (fragment)	Storage Conditions:	For long term storage we advise to keep below +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>10.00</td><td>29.05</td><td></td></tr><tr><td>1eq. NaOH</td><td></td><td></td><td></td></tr><tr><td>1eq. HCl</td><td></td><td></td><td></td></tr><tr><td>DMSO</td><td></td><td></td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td></td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	10.00	29.05		1eq. NaOH				1eq. HCl				DMSO				EtOH				Quality controller:	Erik S. Vermeulen, PhD
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Remarks:		Date:	22-07-2008																								

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