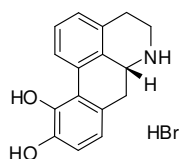




Certificate of Analysis

Axon Catalogue ID: 1160 **Batch Number:** 1
Product Name: (R)-Norapomorphine hydrobromide
Alternative Name(s): R-(-)-Norapomorphine hydrobromide
IUPAC Name: (R)-5,6,6a,7-Tetrahydro-4H-dibenzo[de,g]quinoline-10,11-diol hydrobromide

Structure:



Amount:

CAS number(s): 478-76-2 (parent), 115017-61-3 (HBr (1:1))
Molecular Formula: C₁₆H₁₅NO₂.HBr **Molecular Weight:** 334.21
Batch Molecular Formula: C₁₆H₁₅NO₂.HBr **Batch Molecular Weight:** 334.21
Appearance: Brown solid **Observed mp:** 168 °C (decomp)
TLC (R_f): 0.35 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): o.p.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.50, H 4.83, N 4.19; Found: C ND, H ND, N ND
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	11.0	32.9	
	EtOH	6.6	19.7	

Remarks: Sensitive to oxidation; Electrostatic.

QC Date: 01-11-2018

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