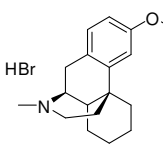


## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3841	<b>Batch Number:</b>	1
<b>Product Name:</b>	Dextromethorphan hydrobromide		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	(1S,9S,10S)-4-Methoxy-17-methyl-17-azatetracyclo[7.5.3.0.1,10.02,7]heptadeca-2(7),3,5-triene hydrobromide		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	125-71-3 (parent), 125-69-9 (HBr (1:1))		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>25</sub> NO.HBr	<b>Molecular Weight:</b>	352.31
<b>Batch Molecular Formula:</b>	C <sub>18</sub> H <sub>25</sub> NO.HBr.H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	370.32
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	119 °C
<b>TLC (R<sub>f</sub>):</b>	0.21	DCM/MeOH (20:1)	
<b>Chemical Purity:</b>	100%		
<b>Optical Purity (ee):</b>	Optically pure		
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = +32.0° with c = 1 in MeOH		
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 58.38, H 7.62, N 3.78; Found: C 58.38, H 7.57, N 3.72		
<b>Storage Conditions:</b>	Desiccate at -20 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	25.0	67.5
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	37.0	>100 mM
	EtOH	37.0	>100 mM
<b>Remarks:</b>			
<b>QC Date:</b>	14-4-2023		

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**