



Certificate of Analysis

Axon Catalogue ID:	1325	Batch Number:	1																								
Product Name:	Imetit dihydrobromide																										
Alternative Name(s):	N.A.																										
IUPAC Name:	2-(1H-Imidazol-4-ylmethyl)-isothiourea dihydrobromide																										
Structure:	 <chem>CN1C=NC=C1CCSC(=N)N</chem> BrH BrH	Amount:																									
CAS number:	32385-58-3	MW:	332.06																								
Batch Molecular Formula:	C ₆ H ₁₂ N ₄ SBr ₂ ·0.25H ₂ O	Batch MW:	336.56																								
Appearance:	Tan solid	Observed mp:	212 - 213 °C																								
TLC (R_f):	0.1 D/M+NH ₄ OH																										
Chemical Purity:	NA																										
Optical Purity (ee):																											
¹H-NMR (300 MHz):	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	C, H, and N fit within 0,4% of theoretical calculation																										
Storage Conditions:	Desiccate at +20°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>12.0</td><td>35.7</td><td></td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td></td><td></td><td>Not Tested</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	12.0	35.7		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO			Not Tested	EtOH			Not Tested		
Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks																								
Water	12.0	35.7																									
0.1N NaOH (aq)			Not Tested																								
0.1N HCl (aq)			Not Tested																								
DMSO			Not Tested																								
EtOH			Not Tested																								
Remarks:	potentially hygroscopic; Not detectable by HPLC-MS. Purity estimated based on GC-MS																										
QC Date:	22-1-2008																										

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