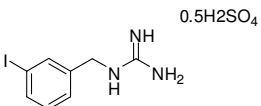




Certificate of Analysis

Axon Catalogue ID:	1750	Batch Number:	1																								
Product Name:	MIBG hemisulfate																										
Alternative Name(s):	lobenguane hemisulfate																										
IUPAC Name:	1-(3-Iodobenzyl)guanidine hemi-sulfate																										
Structure:		Amount:																									
CAS number(s):	80663-95-2 (parent), 87862-25-7 (H2SO4 (2:1))																										
Molecular Formula:	C8H10IN3.0.5H2SO4	Molecular Weight:	324.13																								
Batch Molecular Formula:	C8H10IN3.0.5H2SO4.0.5H2O	Batch Molecular Weight:	333.14																								
Appearance:	White solid	Observed mp:	167.2 - 168.9 °C																								
TLC (R_f):	N.A.																										
Chemical Purity:	99.3%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 29.24, H 3.53, N 12.79; Found: C 28.82, H 3.43, N 13.13																										
Storage Conditions:	Desiccate at -20 °C																										
Solubility Data:	<table border="0"> <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></td> <td></td> <td>Not Tested</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>33.3</td> <td>>100 mM</td> <td></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			Not Tested	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	33.3	>100 mM		EtOH			Not Tested		
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EtOH			Not Tested																								
Remarks:	CAS for the sulfate salt (1;1): [80663-96-3] CAS for the sulfate salt (1:?): [7664-93-9]																										
QC Date:	19-8-2022																										

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