



Certificate of Analysis

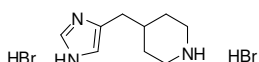
Axon Catalogue ID: 1326 **Batch Number:** 2

Product Name: ImmePIP dihydrobromide

Alternative Name(s): N.A.

IUPAC Name: 4-((1H-Imidazol-4-yl)methyl)piperidine dihydrobromide

Structure:



Amount:

CAS number(s): 151070-83-6 (parent), 164391-47-3 (HBr (1:2))

Molecular Formula: C₉H₁₅N₃.2HBr

Molecular Weight: 327.06

Batch Molecular Formula: C₉H₁₅N₃.2HBr.0.8H₂O

Batch Molecular Weight: 341.47

Appearance: Brown solid

Observed mp: 234.5 - 235.0 °C

TLC (R_f): 0.4 n-BuOH/AcOH/H₂O (3:1:1)

Chemical Purity: >98%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 31.66, H 5.49, N 12.31; Found: C 31.90, H 5.49, N 11.92

Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	34.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	34.1	>100 mM	
	EtOH			Not Tested

Remarks: Purity based on ¹H-NMR, product has no UV absorption.

QC Date: 16-3-2022

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