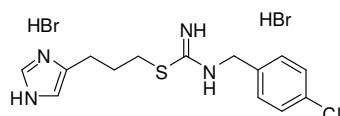




## Certificate of Analysis

**Axon Catalogue ID:** 1209 **Batch Number:** 1  
**Product Name:** Clobenpropit dihydrobromide  
**Alternative Name(s):** VUF 9153 dihydrobromide  
**IUPAC Name:** 3-(1H-Imidazol-4-yl)propyl 4-chlorobenzylcarbamidithioate dihydrobromide

**Structure:**



**Amount:**

**CAS number(s):** 145231-45-4 (parent), 145231-35-2 (HBr (1:2))  
**Molecular Formula:** C<sub>14</sub>H<sub>17</sub>ClN<sub>4</sub>S.2HBr **Molecular Weight:** 470.65  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>17</sub>ClN<sub>4</sub>S.2HBr **Batch Molecular Weight:** 470.65  
**Appearance:** White solid **Observed mp:** 215.9 - 217.3 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 99.7%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 35.73, H 4.07, N 11.90; Found: C 35.65, H 4.09, N 11.73  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	47.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 24-10-2017

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**