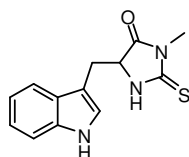




Certificate of Analysis

Axon Catalogue ID: 1258 **Batch Number:** 1
Product Name: Necrostatin-1
Alternative Name(s): N.A.
IUPAC Name: 5-((1H-Indol-3-yl)methyl)-3-methyl-2-thioxoimidazolidin-4-one

Structure:



Amount:

CAS number(s): 4311-88-0
Molecular Formula: C₁₃H₁₃N₃O₂ **Molecular Weight:** 259.33
Batch Molecular Formula: C₁₃H₁₃N₃O₂ **Batch Molecular Weight:** 259.33
Appearance: Yellow solid **Observed mp:** 154.8 - 156.8 °C
TLC (R_f): 0.5 DCM/MeOH (95:5)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.21, H 5.05, N 16.20; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility | | Remarks |
|-------------------------|----------------|-------------------|-------------|----------------|
| | | (mg/ml) | (mM) | |
| | Water | 0.0 | 0.0 | Insoluble |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 8.0 | 30.8 | |
| | EtOH | 4.0 | 15.4 | |

Remarks:

QC Date: 29-11-2018

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