

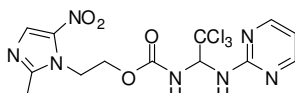


Certificate of Analysis

Axon Catalogue ID: 3194 **Batch Number:** 1
Product Name: Apcin
Alternative Name(s): N.A.

IUPAC Name: 2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethyl 2,2,2-trichloro-1-(pyrimidin-2-ylamino)ethylcarbamate

Structure:



Amount:

CAS number(s): 300815-04-7
Molecular Formula: C₁₃H₁₄Cl₃N₇O₄ **Molecular Weight:** 438.65
Batch Molecular Formula: C₁₃H₁₄Cl₃N₇O₄·0.75H₂O **Batch Molecular Weight:** 452.17
Appearance: White solid **Observed mp:** 190.0 - 192.0 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 34.53, H 3.46, N 21.68; Found: C 34.42, H 3.47, N 21.76
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	45.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 08-12-2020

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