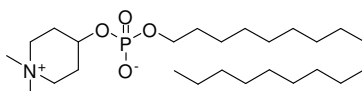


Certificate of Analysis

Axon Catalogue ID: 1663 **Batch Number:** 1
Product Name: Perifosine
Alternative Name(s): KRX 0401; D 21266
IUPAC Name: 1,1-Dimethylpiperidinium-4-yl octadecyl phosphate

Structure:



Amount:

CAS number(s): 157716-52-4
Molecular Formula: C₂₅H₅₂NO₄P **Molecular Weight:** 461.66
Batch Molecular Formula: C₂₅H₅₂NO₄P **Batch Molecular Weight:** 461.66
Appearance: Off-white solid **Observed mp:** 232.4 - 235.5°C (decomp)
TLC (R_f): N.A. N.A.
Chemical Purity: >98%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.04, H 11.35, N 3.03; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	22.0	47.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Soluble only by heating/adding water*
	EtOH			Not Tested

Remarks: * Sample 4.6 mg can be dissolved in 0.5 mL DMSO by adding 0.25 mL H₂O.

QC Date: 27-05-2019

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