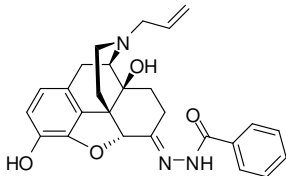


Certificate of Analysis

Axon Catalogue ID:	1230	Batch Number:	1
Product Name:	Naloxone Benzoylhydrazone		
Alternative Name(s):	N.A.		
IUPAC Name:	2-[(5a)-4,5-Epoxy-3,14-dihydroxy-17-(2-propenyl)morphinan-6-ylidene]hydrazide benzoic acid		
Structure:			Amount:
CAS number(s):	119630-94-3		
Molecular Formula:	C ₂₆ H ₂₇ N ₃ O ₄	Molecular Weight:	445.51
Batch Molecular Formula:	C ₂₆ H ₂₇ N ₃ O ₄	Batch Molecular Weight:	445.51
Appearance:	White solid	Observed mp:	249.4 - 249.9 °C (decomp)
TLC (R_f):	0.26	DCM/MeOH (9:1)	
Chemical Purity:	99.4%		
Optical Purity (ee):	N.A.		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 69.42, H 6.16, N 9.34; Found: C ND, H ND, N ND		
Storage Conditions:	Desiccate at +4 °C		

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)	4.4	9.8	
	0.1N HCl (aq)			Not Tested
	DMSO	44.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 24-11-2020

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