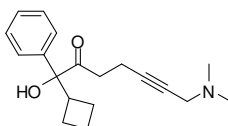




Certificate of Analysis

Axon Catalogue ID: 1679 **Batch Number:** 1
Product Name: MDL 201012
Alternative Name(s): N.A.
IUPAC Name: 1-Cyclobutyl-7-(dimethylamino)-1-hydroxy-1-phenylhept-5-yn-2-one

Structure:



Amount:

CAS number(s): 136722-45-7
Molecular Formula: C₁₉H₂₅NO₂ **Molecular Weight:** 299.41
Batch Molecular Formula: C₁₉H₂₅NO₂ **Batch Molecular Weight:** 299.41
Appearance: White solid **Observed mp:** 128.8 - 130.1 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 98.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 76.22, H 8.42, N 4.68; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	29.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	29.9	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 21-6-2024

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