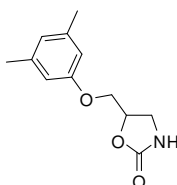




Certificate of Analysis

Axon Catalogue ID: 3815 **Batch Number:** 1
Product Name: Metaxalone
Alternative Name(s): N.A.
IUPAC Name: 5-((3,5-Dimethylphenoxy)methyl)oxazolidin-2-one

Structure:



Amount:

CAS number(s): 1665-48-1
Molecular Formula: C₁₂H₁₅NO₃ **Molecular Weight:** 221.25
Batch Molecular Formula: C₁₂H₁₅NO₃ **Batch Molecular Weight:** 221.25
Appearance: White solid **Observed mp:** 124.0 - 124.8 °C
TLC (R_f): 0.66 DCM/MeOH (20:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.14, H 6.83, N 6.33; Found: C 65.13, H 6.84, N 6.35
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)			Not Tested
	DMSO	22.1	>100 mM	
	EtOH	12.8	57.9	

Remarks:

QC Date: 8-3-2023

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