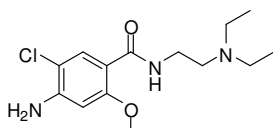




Certificate of Analysis

Axon Catalogue ID: 3378 **Batch Number:** 1
Product Name: Metoclopramide
Alternative Name(s): N.A.
IUPAC Name: 4-Amino-5-chloro-N-(2-(diethylamino)ethyl)-2-methoxybenzamide

Structure:



Amount:

CAS number(s): 364-62-5
Molecular Formula: C₁₄H₂₂ClN₃O₂ **Molecular Weight:** 299.80
Batch Molecular Formula: C₁₄H₂₂ClN₃O₂ **Batch Molecular Weight:** 299.80
Appearance: White solid **Observed mp:** 148.0 - 150.2 °C
TLC (R_f): 0.82 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.09, H 7.40, N 14.02; Found: C 56.11, H 7.55, N 14.08
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	5.2	17.3	* Warming (40°C) and sonication
	DMSO	30.0	>100 mM	* Warming (40°C) and sonication
	EtOH			Not Tested

Remarks: * Warming (40°C) and sonication enhanced solubility.

QC Date: 06-04-2021

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