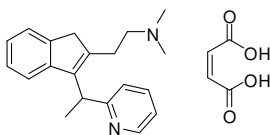


Certificate of Analysis

Axon Catalogue ID: 3812 **Batch Number:** 2
Product Name: Dimethindene maleate
Alternative Name(s): (R,S)-Dimethindene maleate
IUPAC Name: N,N-Dimethyl-2-(3-(1-(pyridin-2-yl)ethyl)-1H-inden-2-yl)ethanamine maleate

Structure:



Amount:

CAS number(s): 5636-83-9 (parent), 3614-69-5 (maleate (1:1))
Molecular Formula: C₂₀H₂₄N₂.C₄H₄O₄ **Molecular Weight:** 408.49
Batch Molecular Formula: C₂₀H₂₄N₂.C₄H₄O₄ **Batch Molecular Weight:** 408.49
Appearance: White solid **Observed mp:** 163.4 - 164.2 °C
TLC (R_f): 0.3 DCM/MeOH (4:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.57, H 6.91, N 6.86; Found: C 70.51, H 6.98, N 6.89
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	10.8	26.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.8	>100 mM	
	EtOH	15.3	37.5	* Warming (40°C)

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

QC Date: 1-3-2023

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