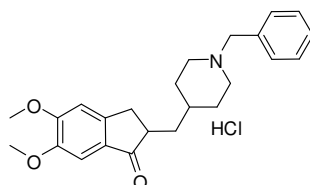


Certificate of Analysis

Axon Catalogue ID: 1438 **Batch Number:** 1
Product Name: Donepezil Hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 2-((1-Benzylpiperidin-4-yl)methyl)-5,6-dimethoxy-2,3-dihydro-1H-inden-1-one hydrochloride

Structure:



Amount:

CAS number(s): 120014-06-4 (parent), 120011-70-3 (HCl (1:1))
Molecular Formula: C₂₄H₂₉NO₃.HCl **Molecular Weight:** 415.95
Batch Molecular Formula: C₂₄H₂₉NO₃.HCl.0.25H₂O **Batch Molecular Weight:** 420.46
Appearance: White solid **Observed mp:** ND
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.55, H 7.31, N 3.33; Found: C 68.47, H 7.63, N 3.47
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	24.0	57.1	Ultrasonic bath helps solubility
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO		>100	
	EtOH			Not Tested

Remarks:

QC Date: 29-09-2017

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