

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB2083	 HCl
<b>Compound name</b>	Donepezil hydrochloride	
<b>Chemical name</b>	2,3-Dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one hydrochloride	
<b>Batch number</b>	E1956-1-1	
<b>Batch molecular formula</b>	C <sub>24</sub> H <sub>29</sub> NO <sub>3</sub> ·HCl	
<b>Batch molecular weight</b>	415.96	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	1H NMR in MeOD at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis shows molecular ion	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in water (50 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

09-05-22

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.