

Product Data Sheet

Product Name: Donepezil N-oxide

Cat. No.: GC40018

Chemical Properties

Cas. No. 120013-84-5

SMILES O=C1C(CC2CCN(CC2)(CC3=CC=CC=C3)=O)CC4=CC(OC)=C(OC)C=C41

Formula C₂₄H₂₉NO₄

M.Wt 395.5

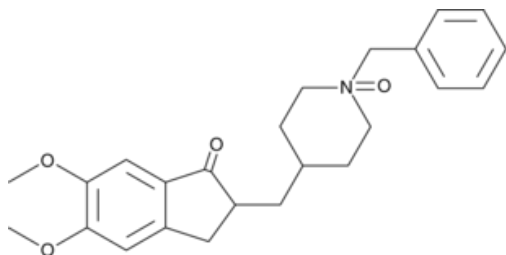
Solubility Chloroform: slightly soluble, Methanol: slightly soluble

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Donepezil N-oxide is an active metabolite of the acetylcholinesterase inhibitor donepezil. Donepezil N-oxide inhibits cholinesterase (ChE) activity in human erythrocytes in a concentration-dependent manner, exhibiting 45.5% inhibition when used at a concentration of 20 µM.

Caution: Product has not been fully validated for medical applications. For research use only.

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