

---

**Product Data Sheet**

---

Product Name: Dihydro Donepezil

Cat. No.: GC60774

**Chemical Properties**

Cas. No. 120012-04-6

SMILES OC1C(CC2CCN(CC3=CC=CC=C3)CC2)CC4=C1C=C(OC)C(OC)=C4Formula C<sub>24</sub>H<sub>31</sub>NO<sub>3</sub> M.Wt 381.51

Solubility 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**

Dihydro Donepezil (Dihydro E2020) is a metabolite of Donepezil. Donepezil is a specific and potent AChE inhibitor with IC<sub>50</sub>s of 8.12 nM and 11.6 nM for bAChE and hAChE, respectively[1].

[1]. Ogura, H., et al., Comparison of inhibitory activities of donepezil and other cholinesterase inhibitors on acetylcholinesterase and butyrylcholinesterase in vitro. *Methods Find Exp Clin Pharmacol*, 2000. 22(8): p. 609-13.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---