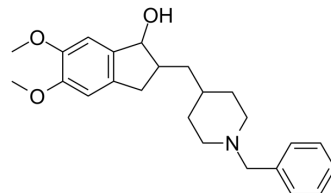


## Dihydro Donepezil

Cat. No.:	HY-131252
CAS No.:	120012-04-6
Molecular Formula:	C <sub>24</sub> H <sub>31</sub> NO <sub>3</sub>
Molecular Weight:	381.51
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

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<sup>[1]</sup>.

### REFERENCES

[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.**

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