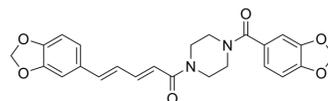


## PD24

Cat. No.:	HY-155621
Molecular Formula:	C <sub>24</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	434.44
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PD24 is an AChE and BuChE inhibitor (hAChE IC <sub>50</sub> : 1.72 μM; eeAChE IC <sub>50</sub> : 1.76 μM; eqBuChE IC <sub>50</sub> : 2.64 μM). PD24 also has antioxidant activity, and inhibits DPPH (IC <sub>50</sub> : 28.72 μM). PD24 can be used for research of Alzheimer's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	1.72 μM, 1.76 μM, 2.64 μM (hAChE, eeAChE, eqBuChE) <sup>[1]</sup>

### REFERENCES

[1]. Bhanukiran K, et al. Discovery of Multitarget-Directed Ligands from Piperidine Alkaloid Piperine as a Cap Group for the Management of Alzheimer's Disease. ACS Chem Neurosci. 2023 Aug 2;14(15):2743-2760.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA