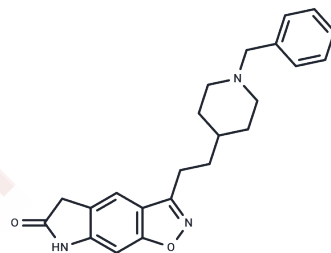


## Icopezil

## Chemical Properties

CAS No. :	145508-78-7
Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	375.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Icopezil is a small molecule acetylcholinesterase in (AChE) inhibitor for the treatment of neurological disorders and can be used in the study of Alzheimer's disease.
Targets(IC50)	Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 50 mg/mL (133.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6634 mL	13.317 mL	26.634 mL
5 mM	0.5327 mL	2.6634 mL	5.3268 mL
10 mM	0.2663 mL	1.3317 mL	2.6634 mL
50 mM	0.0533 mL	0.2663 mL	0.5327 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Liston DR, et al. Pharmacology of selective acetylcholinesterase inhibitors: implications for use in Alzheimer's disease. Eur J Pharmacol. 2004;486(1):9-17.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481