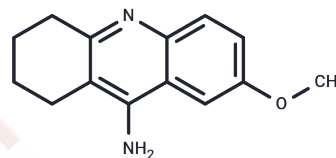


TA-03

## Chemical Properties

CAS No. : 5778-80-3  
 Formula: C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O  
 Molecular Weight: 228.29  
 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	TA-03 (7-Meota) is a potent inhibitor of AChE in treatment of cognitive manifestation of AD.
Targets(IC50)	Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (120.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3804 mL	21.902 mL	43.8039 mL
5 mM	0.8761 mL	4.3804 mL	8.7608 mL
10 mM	0.438 mL	2.1902 mL	4.3804 mL
50 mM	0.0876 mL	0.438 mL	0.8761 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

Vendula, Sepsova, Jana, et al. Cholinergic properties of new 7-methoxytacrine-donepezil derivatives.[J]. General Physiology & Biophysics, 2015.

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