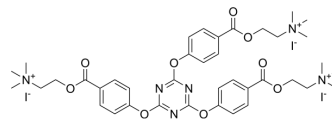


TAE-1

Cat. No.:	HY-115650		
CAS No.:	1414469-59-2		
Molecular Formula:	C ₃₉ H ₅₁ I ₃ N ₆ O ₉		
Molecular Weight:	1128.57		
Target:	Cholinesterase (ChE); Amyloid-β		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (110.76 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.8861 mL	4.4304 mL	8.8608 mL
5 mM	0.1772 mL	0.8861 mL	1.7722 mL
10 mM	0.0886 mL	0.4430 mL	0.8861 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	TAE-1 is a potent inhibitor of AChE and BuChE. TAE-1 also inhibits Aβ fibril formation and aggregation. TAE-1 can be used for the researches of Alzheimer's disease ^[1] .
IC₅₀ & Target	AChE

REFERENCES

[1]. Veloso AJ, et al. Biological activity of sym-triazines with acetylcholine-like substitutions as multitarget modulators of Alzheimer's disease. ACS Chem Neurosci. 2013 Jun 19;4(6):924-9.

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

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