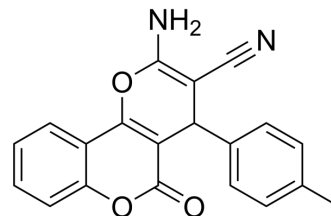


## AChE-IN-27

Cat. No.:	HY-148108	
CAS No.:	177028-90-9	
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>	
Molecular Weight:	330.34	
Target:	Cholinesterase (ChE)	
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 : 100 mg/mL (302.72 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		3.0272 mL	15.1359 mL	30.2718 mL
5 mM		0.6054 mL	3.0272 mL	6.0544 mL
10 mM		0.3027 mL	1.5136 mL	3.0272 mL

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

### BIOLOGICAL ACTIVITY

#### Description

AChE-IN-27 (compound 8c) is an AChE inhibitor (IC<sub>50</sub>=0.19 μM). AChE-IN-27 can be used in studies of neurological diseases such as alzheimer's disease, dementia, ataxia and myasthenia gravis<sup>[1]</sup>.

### REFERENCES

[1]. Bouazizi Y, et al. Synthesis of new 3, 4-dihydropyrano [c] chromene derivatives and their evaluation as acetyl cholinesterase inhibitors[J]. European Journal of Chemistry, 2014, 5(3): 457-462.

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

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