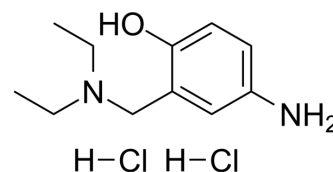


AChE-IN-23

Cat. No.:	HY-W077226	
CAS No.:	6297-14-9	
Molecular Formula:	C ₁₁ H ₂₀ Cl ₂ N ₂ O	
Molecular Weight:	267.2	
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 (374.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7425 mL	18.7126 mL	37.4251 mL
	5 mM	0.7485 mL	3.7425 mL	7.4850 mL
	10 mM	0.3743 mL	1.8713 mL	3.7425 mL

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

BIOLOGICAL ACTIVITY

Description

AChE-IN-23 (compound 3h) is an acetylcholinesterase (AChE) inhibitor with an IC₅₀ value of 48.3 μM^[1].

REFERENCES

[1]. Martijn Constantijn de Koning, et al. Discovery of a potent non-oxime reactivator of nerve agent inhibited human acetylcholinesterase. Eur J Med Chem. 2018 Sep 5;157:151-160.

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