

Pralidoxime Iodide

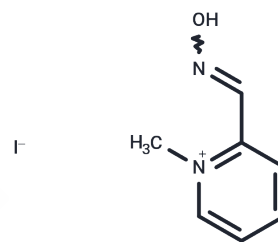
Chemical Properties

CAS No. : 94-63-3

Formula: C7H9IN2O

Molecular Weight: 264.06

Storage: Keep away from moisture, Keep away from direct sunlight
 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	Pralidoxime Iodide is an effective AChE reactivator and antidote for organophosphorus poisoning, reactivating AChE inhibited by nerve agents through nucleophilic attack on the phosphorus centre of the neurotoxin.
Targets(IC50)	Cholinesterase (ChE)
In vivo	Pralidoxime Iodide (10-150 mg/kg, intramuscular injection, single dose) can reverse the respiratory toxicity induced by paraoxon in mice [3].

Solubility Information

Solubility	DMSO: 200 mg/mL (757.4 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	3.787 mL	18.9351 mL	37.8702 mL
5 mM	0.7574 mL	3.787 mL	7.574 mL
10 mM	0.3787 mL	1.8935 mL	3.787 mL
50 mM	0.0757 mL	0.3787 mL	0.7574 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

- Cadieux CL, et al. Probing the activity of a non-oxime reactivator for acetylcholinesterase inhibited by organophosphorus nerve agents. *Chem Biol Interact.* 2016;259(Pt B):133-141.
- Eyer P, Buckley N. Pralidoxime for organophosphate poisoning. *Lancet.* 2006;368(9553):2110-2111.
- Houzé P, et al. High Dose of Pralidoxime Reverses Paraoxon-Induced Respiratory Toxicity in Mice. *Turk J Anaesthesiol Reanim.* 2018;46(2):131-138.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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