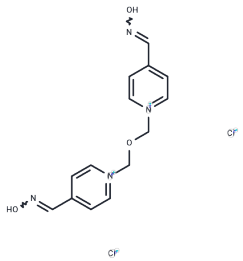
Data Sheet (Cat.No.T16372)

TargetMol

Obidoxime dichloride

Chemical Properties



CAS No. : 114-90-9

Formula: C14H16Cl2N4O3

Molecular Weight: 359.21

Storage: Store at low temperature
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	Obidoxime dichloride is a detoxifying agent for organophosphorus poisoning, enhancing the positive inotropic effect of phosphamidon on isolated working rat hearts.
Targets(IC50)	Cholinesterase (ChE)
In vivo	Obidoxime dichloride (10 mg/kg intramuscular injection,60 min) had an LD50 of 57.7 mg/kg, which reduced the acute toxicity of sarin. [1] Obidoxime dichloride (50,100 mg/kg intramuscular) was used as an antidote to treat geese poisoned by diazinone and delayed the time of death. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7839 mL	13.9194 mL	27.8389 mL
5 mM	0.5568 mL	2.7839 mL	5.5678 mL
10 mM	0.2784 mL	1.3919 mL	2.7839 mL
50 mM	0.0557 mL	0.2784 mL	0.5568 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

Kassa J, et al. A comparison of the reactivating and therapeutic efficacy of two novel bispyridinium oximes (K727, K733) with the oxime HI-6 and obidoxime in sarin-poisoned rats and mice. Toxicol Mech Methods. 2015 Mar;25(3): 229-33.

Shlosberg A, et al. Efficacy of pralidoxime iodide and obidoxime dichloride as antidotes in diazinon-poisoned goslings. Avian Dis. 1976 Jan-Mar;20(1):162-6.

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