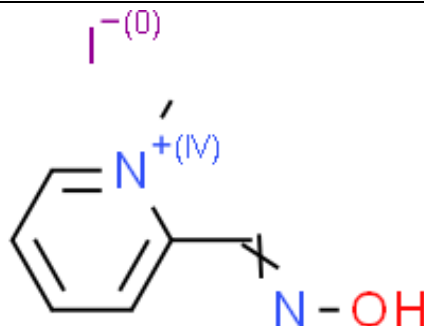


Product Data Sheet

Cas No.:	94-63-3	Cat. No:	PC19217
Product Name:	Pralidoxime Iodide		
Product synonym:	碘解磷啉;解磷定;派姆;碘磷定;2-吡啶乙腈甲碘化物;吡啶-2-乙腈甲碘化物;碘解磷啉;氯解磷定;氯磷定;2-PAM 碘化物;2-[(羟基亚氨基)甲基]-1-甲基吡啶鎓碘化物;1-甲基吡啶-2-腈甲碘化物		
Chemical name:	Pralidoxime Iodide		
MF:	C7H9N2O+.I-	FW:	264.06316
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	[I-].O=[NH+]/C=C1/C=CC=CN/1C		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Pralidoxime iodide 是乙酰胆碱酯酶 (AChE) 的活化剂。Pralidoxime iodide 能激活神经毒剂，抑制乙酰胆碱酯酶的活性，其途径是通过结合神经毒剂磷中心的胍部分直接亲核攻击。

生物活性	Pralidoxime iodide is a potent reactivator of acetylcholinesterase (AChE) . Pralidoxime iodide reactivates nerve agent-inhibited AChE via direct nucleophilic attack by the oxime moiety on the phosphorus center of the bound nerve agent. Pralidoxime iodide is an antidote for organophosphate poisoning.
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体内研究(In Vivo)	Pralidoxime iodide (10-150 mg/kg; intramuscular administration, once) reverses paraoxon-induced respiratory toxicity in mice.				
	Medlife has not independently confirmed the accuracy of these methods. They are for reference only.				
	Animal Model:	Male F1B6D2 mice (toxic but non-lethal model of diethylparaoxon in awake, unrestrained mice)			
	Dosage:	10, 50, 100 and 150 mg/kg			
	Administration:	Intramuscularly, once			
	Result:	Induced a partial, albeit complete, reversal of respiratory toxicity at 50 mg/kg, and completely reversed diethy			
包装储存	Sealed and stored at 4℃, moisture-proof and light proof				
	*In solvent : -80℃, 6 months; -20℃, 1 month (sealed storage, away from moisture and light)				
溶解度数据	体外研究:				
	DMSO : 250 mg/mL (946.75 mM; Need ultrasonic)				
	配制储备溶液	溶剂体积 质量 浓度	1 mg	5 mg	10 mg
		1 mM	3.7870 mL	18.9351 mL	37.8702 mL
		5 mM	0.7574 mL	3.7870 mL	7.5740 mL
		10 mM	0.3787 mL	1.8935 mL	3.7870 mL
	* 产品不同，其溶解度不同。建议根据产品选择合适的溶剂配制储备溶液；配成溶液后，建议分装保存，避免反复冻融造成的产品失效。				
	储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month (sealed storage, away from moisture and light)。-80℃ 储存时，建议在 6 个月内使用，-20℃ 储存时，建议在 1 个月内使用。				