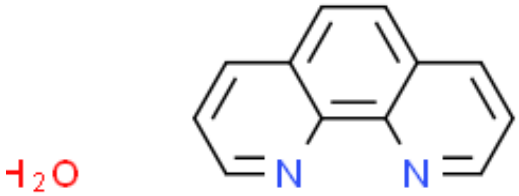
medlife

Product Data Sheet

Cas No.:	5144-89-8	Cat. No:	PL07430
Product Name:	o-Phenanthroline monohydrate		
Product synonym:	邻菲罗啉;1,10-菲罗啉(一水合物);一水合邻菲罗啉;1,10-菲咯啉一水合物;1,10-菲啰啉;1,10-菲咯啉(一水);1,10-菲咯啉单水合物;邻菲啰啉;1,10一二氮雜菲;1,10-菲罗啉,一水合物;1,10-菲罗啉一水合物[用于生化研究];1,10-邻二氮杂菲一水合物;1,10-Phenanthroline Monohydrate 1,10-菲咯啉一水合物;1,10-Phenanthroline Monohydrate 1,10-邻二氮杂菲一水合物;1,10-Phenanthroline Monohydrate[for Biochemical Research] 1,10-菲罗啉一水合物[用于生化研究];1,10-菲啉一水合物;1,10-菲罗啉;1,10-菲罗啉(一水);1,10-菲罗啉(一水合物),1,10-Phenanthroline hydrate;1,10-菲罗啉一水合物, ACS试剂;1,10-菲啰啉 AR(1水);1,10-菲啰啉（一水）;1,10-菲绕啉单水合物;1,1-邻二氮杂菲(邻菲啰啉);1.10菲啰啉;1.10邻菲啰啉;邻菲罗啉 一水邻菲罗啉;邻菲罗啉单水;邻菲罗啉一个结晶水;邻菲啰啉,AR;1,10-邻二氮杂菲(邻菲啰啉);1,10-二氮杂菲;1,10-菲啰啉溶液,1,10-Phenanthroline hydrate;1,10-菲罗啉一水;邻二氮菲;邻二氮菲指示液（药典）,1,10-Phenanthroline hydrate;邻菲咯啉 一水合物;邻菲啰;邻菲啰啉一水;新铜试剂;一水邻菲啰啉;1,10-菲罗啉一水合物;邻菲罗琳;邻菲啰琳;邻菲啰啉标准溶液		
Chemical name:	o-Phenanthroline monohydrate		
MF:	C12H10N2O	FW:	198.2206
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O([H])[H].N1=C([H])C([H])=C([H])C2C([H])=C([H])C3C([H])=C([H])C([H])=NC=3C1=2		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

o-Phenanthroline monohydrate (1,10-Phenanthroline monohydrate) 是一种金属螯合剂，可防止链脲佐菌素诱导染色体畸变。o-Phenanthroline monohydrate 与 Fe^{2+} 形成红色螯合物，在 510 nm 处最大吸收。o-Phenanthroline (1,10-Phenanthroline) monohydrate 也是 MMP 的抑制剂。

生物活性	o-Phenanthroline (1,10-Phenanthroline) monohydrate, a metal chelator, prevents the induction of chromosomal aberrations in streptozotocin-treated cells. o-Phenanthroline monohydrate forms a red chelate with Fe that absorbs maximally at 510 nm. o-Phenanthroline (1,10-Phenanthroline) monohydrate is also a MMP inhibitor.

体外研究(In Vitro)	o-Phenanthroline (1,10-Phenanthroline, 1mM) inhibits autolysis of sea cucumber body wall. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: DMSO : 100 mg/mL (504.49 mM; Need ultrasonic)H_2O : 2 mg/mL (10.09 mM; ultrasonic and warming and heat to 60°C)配制储备液