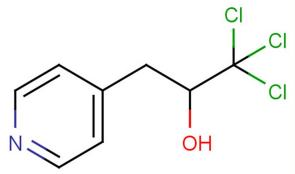
Data Sheet (Cat.No.T12413)

PETCM

Chemical Properties



CAS No.:	10129-56-3
Formula:	C8H8Cl3NO
Molecular Weight:	240.51
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	PETCM is a caspase-3 activator and acts as an cytochrome c (cyto c)-dependent manner.
Targets(IC_{50})	Others: None
In vitro	PETCM (0.2 mM; 1 hour) can antagonize the inhibitory activity of ProT reduced caspase-3 activation in in HeLa cells[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.158 mL	20.789 mL	41.578 mL
5 mM	0.832 mL	4.158 mL	8.316 mL
10 mM	0.416 mL	2.079 mL	4.158 mL
50 mM	0.083 mL	0.416 mL	0.832 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Nguyen JT, et al. Direct activation of the apoptosis machinery as a mechanism to target cancer cells.Proc Natl Acad Sci U S A. 2003 Jun 24;100(13):7533-8.

2. Jiang X, Kim HE, Shu H, et al. Distinctive roles of PHAP proteins and prothymosin-alpha in a death regulatory pathway. Science, 2003, 299(5604): 223-226.

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