Data Sheet (Cat.No.T4850)



PCL 016

enemicativopert		
CAS No. :	98-98-6	
Formula:	C6H5NO2	T T
Molecular Weight:	123.11	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	\checkmark

Biological Description

Chemical Properties

Description	PCL 016 (2-Picolinic acid) is a topical antiviral agent, which inhibits adenovirus replication in rabbit.
Targets(IC50)	Virus Protease,Endogenous Metabolite
In vitro	Topical 1.5% PCL, 0.8% PCL, 0.369% PCL (pH7), 0.369% PCL (pH4) and 0.5% CDV are significantly more effective than the Control in reducing Ad Positive Cultures/Total (Days 1-14) and the Duration of Ad Shedding in the Ad5/NZW rabbit ocular model. Although not statistically significant, there appears to be a trend toward concentration-dependent efficacy of PCL 016 on the Duration of Ad Shedding. There is no apparent ocular toxicity associated with PCL 016 concentrations.

Solubility Information

Solubility	DMSO: 50 mg/mL (406.14 mM),	
	H2O: 50 mg/mL,	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.1228 mL	40.6141 mL	81.2282 mL
5 mM	1.6246 mL	8.1228 mL	16.2456 mL
10 mM	0.8123 mL	4.0614 mL	8.1228 mL
50 mM	0.1625 mL	0.8123 mL	1.6246 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.

Reference

Sreekumar A, Poisson L M, Rajendiran T M, et al. Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression.[J]. Nature, 2009, 457(7231):910-914.

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