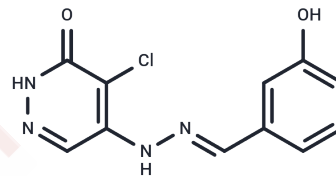


L82-G17

## Chemical Properties

CAS No. : 92285-87-5  
 Formula: C<sub>11</sub>H<sub>9</sub>ClN<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 264.67  
 Storage: 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	L82-G17 is an uncompetitive LigI-selective inhibitor in human cells with utility as a probe of the catalytic activity and cellular functions of LigI.
Targets(IC50)	DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 26.47 mg/mL (100.01 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2 mg/mL (7.56 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7783 mL	18.8914 mL	37.7829 mL
5 mM	0.7557 mL	3.7783 mL	7.5566 mL
10 mM	0.3778 mL	1.8891 mL	3.7783 mL
50 mM	0.0756 mL	0.3778 mL	0.7557 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

Howes TRL, et al. Structure-activity relationships among DNA ligase inhibitors: Characterization of a selective uncompetitive DNA ligase I inhibitor. DNA Repair (Amst). 2017 Dec;60:29-39.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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