

## Illudin B

## Chemical Properties

CAS No. :	134857-03-7
Formula:	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>
Molecular Weight:	282.34
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Illudin B is a DNA-targeting cytotoxin that disrupts DNA replication and transcription by forming interstrand cross-links through covalent bonding with DNA. Illudin B induces cell cycle arrest and apoptosis (apoptosis) and exhibits toxic effects on various tumor cells, such as those found in leukemia, breast cancer, and lung cancer.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5418 mL	17.7091 mL	35.4183 mL
5 mM	0.7084 mL	3.5418 mL	7.0837 mL
10 mM	0.3542 mL	1.7709 mL	3.5418 mL
50 mM	0.0708 mL	0.3542 mL	0.7084 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.

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