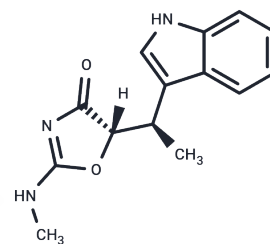


## Indolmycin

## Chemical Properties

CAS No. :	21200-24-8
Formula:	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	257.29
Storage:	Store at low temperature, Keep away from direct sunlight 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	Indolmycin is an antibiotic that is effective against a wide range of bacteria, inhibiting tryptophan-trna synthase (TrpRS), an enzyme essential for protein synthesis in bacteria, and competing to bind directly to the active site of TrpR and cause bacterial death.
Targets(IC50)	Others, Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 1 mg/mL (3.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8867 mL	19.4333 mL	38.8666 mL
5 mM	0.7773 mL	3.8867 mL	7.7733 mL
10 mM	0.3887 mL	1.9433 mL	3.8867 mL
50 mM	0.0777 mL	0.3887 mL	0.7773 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

R G Werner, et al. Indolmycin inhibits prokaryotic tryptophanyl-tRNA ligase. Eur J Biochem. 1976 Sep;68(1):1-3.

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