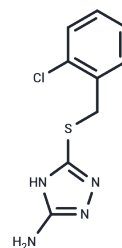


## Antibacterial agent 117

## Chemical Properties

CAS No. :	341944-06-7
Formula:	C <sub>9</sub> H <sub>9</sub> ClN <sub>4</sub> S
Molecular Weight:	240.71
Storage:	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	Antibacterial agent 117 is an antibacterial agent with potent inhibitory activity against Gram-positive bacteria, used for developing new antibiotics against resistant strains.
Targets(IC50)	Antibacterial
In vitro	Antibacterial agent 117 directly inhibits recombinant RpMetAP1 (IC <sub>50</sub> = 15 uM) and suppresses intracellular rickettsial growth [1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (332.35 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	4.1544 mL	20.7719 mL	41.5438 mL
5 mM	0.8309 mL	4.1544 mL	8.3088 mL
10 mM	0.4154 mL	2.0772 mL	4.1544 mL
50 mM	0.0831 mL	0.4154 mL	0.8309 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

Kułaga D, et al. Aminotriazines with indole motif as novel, 5-HT7 receptor ligands with atypical binding mode. Bioorg Chem. 2020 Nov;104:104254.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481