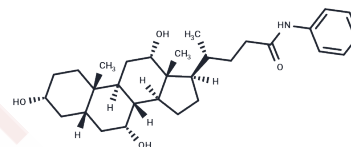


## Cholic Acid anilide

## Chemical Properties

CAS No. :	6912-96-5
Formula:	C <sub>30</sub> H <sub>45</sub> NO <sub>4</sub>
Molecular Weight:	483.68
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	Cholic acid anilide is a synthetic bile acid and derivative of cholic acid that inhibits the germination of <i>C. difficile</i> strain R20291 spores in vitro (IC <sub>50</sub> = 1.8 μM).
Targets(IC <sub>50</sub> )	Others,Antibacterial

## Solubility Information

Solubility	Ethanol: 1 mg/mL (2.07 mM),Sonication is recommended. DMF: 10 mg/mL (20.67 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:4): 0.2 mg/mL (0.41 mM),Sonication is recommended. DMSO: 10 mg/mL (20.67 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	2.0675 mL	10.3374 mL	20.6748 mL
5 mM	0.4135 mL	2.0675 mL	4.135 mL
10 mM	0.2067 mL	1.0337 mL	2.0675 mL
50 mM	0.0413 mL	0.2067 mL	0.4135 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

Sharma, S.K., Yip, C., Esposito, E.X., et al. The design, synthesis, and characterizations of spore germination inhibitors effective against an epidemic strain of *Clostridium difficile*. *J. Med. Chem.* 61(15), 6759-6778 (2018).

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