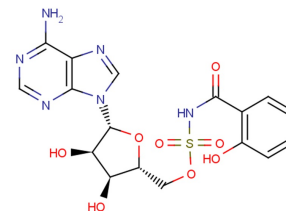


## Salicyl-AMS

## Chemical Properties

CAS No.:	863238-55-5
Formula:	C <sub>17</sub> H <sub>18</sub> N <sub>6</sub> O <sub>8</sub> S
Molecular Weight:	466.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Salicyl-AMS is a mycobactin biosynthesis inhibitor. It can also inhibit <i>M. tuberculosis</i> growth in vitro under iron-limited conditions.
Targets(IC <sub>50</sub> )	Bacterial: None

## Solubility Information

Solubility	DMSO: 90.5 mg/mL (194.03 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.144 mL	10.72 mL	21.439 mL
5 mM	0.429 mL	2.144 mL	4.288 mL
10 mM	0.214 mL	1.072 mL	2.144 mL
50 mM	0.043 mL	0.214 mL	0.429 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Lun S, et al. Pharmacokinetic and in vivo efficacy studies of the mycobactin biosynthesis inhibitor salicyl-AMS in mice. *Antimicrob Agents Chemother.* 2013 Oct;57(10):5138-40.
2. Ferreras JA, et al. Small-molecule inhibition of siderophore biosynthesis in *Mycobacterium tuberculosis* and *Yersinia pestis*. *Nat Chem Biol.* 2005 Jun;1(1):29-3

Inhibitors · Natural Compounds · Compound Libraries

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