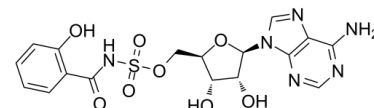


Data Sheet

Product Name:	Salicyl-AMS
Cat. No.:	CS-0032271
CAS No.:	863238-55-5
Molecular Formula:	C ₁₇ H ₁₈ N ₆ O ₈ S
Molecular Weight:	466.43
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : ≥ 90.5 mg/mL (194.03 mM)



BIOLOGICAL ACTIVITY:

Salicyl-AMS is a **mycobactin biosynthesis** inhibitor which can also inhibit **M. tuberculosis** growth in vitro under iron-limited conditions. IC₅₀ & Target: Bacterial^[1]

References:

- [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):29-32.

CAIndexNames:

Adenosine, 5'-[N-(2-hydroxybenzoyl)sulfamate]

SMILES:

O[C@@H]1[C@@H](COS(=O)(NC(=O)C=CC=C2)C=CC=C2)O[C@@H](N3C(N=CN=C4N)=C4N=C3)[C@@H]1O

Caution: Product has not been fully validated for medical applications. For research use only.

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