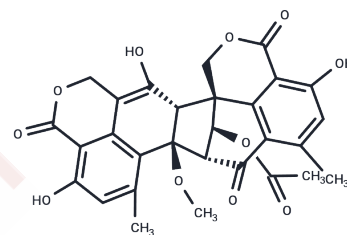


Talaromycesone A

Chemical Properties

CAS No. :	1658474-60-2
Formula:	C ₂₉ H ₂₄ O ₁₁
Molecular Weight:	548.5
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	Talaromycesone A is a fungal metabolite originally isolated from <i>Talaromyces</i> . It is active against <i>S. epidermidis</i> and methicillin-resistant <i>S. aureus</i> (MRSA) bacteria (IC ₅₀ s = 3.70 and 5.48 μM, respectively). Talaromycesone A inhibits acetylcholinesterase (AChE) in a cell-free assay (IC ₅₀ = 7.49 μM for the human enzyme).
Targets(IC ₅₀)	Others, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8232 mL	9.1158 mL	18.2315 mL
5 mM	0.3646 mL	1.8232 mL	3.6463 mL
10 mM	0.1823 mL	0.9116 mL	1.8232 mL
50 mM	0.0365 mL	0.1823 mL	0.3646 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

Wu, B., Ohlendorf, B., Oesker, V., et al. Acetylcholinesterase inhibitors from a marine fungus *Talaromyces* sp. strain LF458Mar. *Biotechnol. (NY)* 17(1)110-119(2015)

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