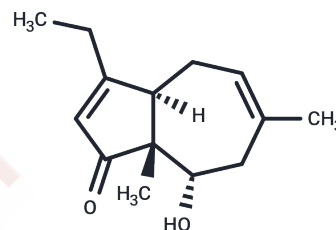


Aculene D

Chemical Properties

CAS No. :	2043948-38-3
Formula:	C ₁₄ H ₂₀ O ₂
Molecular Weight:	220.31
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	Aculene D, a fungal metabolite, exhibits quorum sensing (QS) inhibitory effects on <i>Chromobacterium violaceum</i> CV026, significantly reducing violacein production in N-hexanoyl-L-homoserine lactone (C6-HSL) induced cultures of <i>C. violaceum</i> CV026 at sub-inhibitory concentrations [1].
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5391 mL	22.6953 mL	45.3906 mL
5 mM	0.9078 mL	4.5391 mL	9.0781 mL
10 mM	0.4539 mL	2.2695 mL	4.5391 mL
50 mM	0.0908 mL	0.4539 mL	0.9078 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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