

5,6-Dihydro-6-hydroxyphenicillic acid

Chemical Properties

CAS No. :	1661837-02-0
Formula:	C ₈ H ₁₂ O ₅
Molecular Weight:	188.18
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	5,6-Dihydro-6-hydroxyphenicillic acid (Compound 6) is a secondary metabolite produced by microorganisms. It can be isolated from the endophytic fungus <i>Talaromyces</i> sp. CPCC 400783 found in <i>Reynoutria japonica</i> Houtt. This compound exhibits antiviral activity against the influenza A virus, with an IC ₅₀ value of 65.45 μM.
Targets(IC ₅₀)	Endogenous Metabolite, Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3141 mL	26.5703 mL	53.1406 mL
5 mM	1.0628 mL	5.3141 mL	10.6281 mL
10 mM	0.5314 mL	2.657 mL	5.3141 mL
50 mM	0.1063 mL	0.5314 mL	1.0628 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.

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