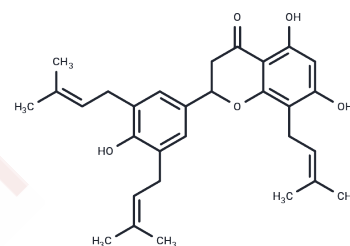


5-Hydroxysophoranone

Chemical Properties

CAS No. :	90686-12-7
Formula:	C ₃₀ H ₃₆ O ₅
Molecular Weight:	476.6
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	5-Hydroxysophoranone is extracted from Erythrina subumbrans stems and exhibits high antiplasmodial activity against Plasmodium falciparum (IC ₅₀ = 2.5 µg/mL).
Targets(IC ₅₀)	Antibacterial,Parasite,Antifection
In vitro	5-Hydroxysophoranone shows antimycobacterial activity against Mycobacterium tuberculosis with MIC of 12.5 µg/mL[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0982 mL	10.491 mL	20.982 mL
5 mM	0.4196 mL	2.0982 mL	4.1964 mL
10 mM	0.2098 mL	1.0491 mL	2.0982 mL
50 mM	0.042 mL	0.2098 mL	0.4196 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

- Rukachaisirikul T, et al. Biological activities of the chemical constituents of Erythrina stricta and Erythrina subumbrans. Arch Pharm Res. 2007 Nov;30(11):1398-403.
- Rukachaisirikul T, et al. Antibacterial pterocarpanes from Erythrina subumbrans. J Ethnopharmacol. 2007 Mar 1;110(1):171-5.

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