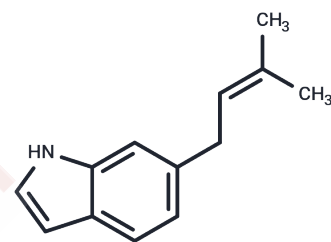


6-Prenylindole

Chemical Properties

CAS No. :	23158-16-9
Formula:	C ₁₃ H ₁₅ N
Molecular Weight:	185.26
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	6-Prenylindole is a bacterial metabolite that has been found in Streptomyces and has antifungal and antimalarial properties. ¹ It is active against A. brassicicola strain TP-F0423 and F. oxysporum f. sp. tulipae TU-4-2 (15 and 30 µg/disc in the paper disc assay), and also drug-resistant P. falciparum strain K1 (IC ₅₀ = 21 µg/ml). ²
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	Methanol: Soluble DMSO: Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3978 mL	26.9891 mL	53.9782 mL
5 mM	1.0796 mL	5.3978 mL	10.7956 mL
10 mM	0.5398 mL	2.6989 mL	5.3978 mL
50 mM	0.108 mL	0.5398 mL	1.0796 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

Sasaki, T., Igarashi, Y., Ogawa, M., et al. Identification of 6-prenylindole as an antifungal metabolite of *Streptomyces* sp. TP-A0595 and synthesis and bioactivity of 6-substituted indoles. *J. Antibiot. (Tokyo)* 55(11), 1009-1012 (2002).

Nkunya, M.H., Makangara, J.J., and Jonker, S.A. Prenylindoles from Tanzanian *Monodora* and *Isolona* species. *Nat. Prod. Res.* 18(3), 253-258 (2004).

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