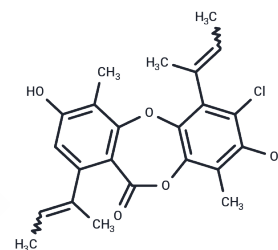


Emeguisin A

Chemical Properties

CAS No. :	117032-54-9
Formula:	C ₂₃ H ₂₃ ClO ₅
Molecular Weight:	414.88
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	Emeguisin A is a depsidone fungal metabolite originally isolated from <i>E. unguis</i> . It is active against the bacteria <i>S. aureus</i> and methicillin-resistant <i>S. aureus</i> (MRSA; MIC = 0.5 µg/ml for both), the fungus <i>C. neoformans</i> (MIC = 0.5 µg/ml), and the protozoan <i>P. falciparum</i> (IC ₅₀ = 2.2 µM). ²
Targets (IC ₅₀)	Others, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4103 mL	12.0517 mL	24.1034 mL
5 mM	0.4821 mL	2.4103 mL	4.8207 mL
10 mM	0.241 mL	1.2052 mL	2.4103 mL
50 mM	0.0482 mL	0.241 mL	0.4821 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

- Kawahara, N., Nozawa, K., Nakajima, S., et al. Isolation and structures of novel fungal depsidones, emeguisins A, B, and C, from *Emericella unguis*. *Chem. Soc., Perkin Trans.* 12611-2614 (1988)
- Klaiklay, S., Rukachaisirikul, V., Aungphao, W., et al. Depsidone and phthalide derivatives from the soil-derived fungus *Aspergillus unguis* PSU-RSPG199. *Tetrahedron Lett.* 57(39)4348-4351 (2016)

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