

Pandamarilactonine B

Chemical Properties

CAS No.:	303008-81-3
Formula:	C ₁₈ H ₂₃ NO ₄
Molecular Weight:	317.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Standard reference
Targets(IC ₅₀)	Others: None
In vitro	METHODS AND RESULTS:Chemical investigation on the crude base of the Pandanus amaryllifolius leaves led to the isolation and identification of pandamarilactone-1 (1), pandamarilactone-32 (2), Pandamarilactonine A (3), and Pandamarilactonine B (4). Their structures were elucidated based on 1H and 13C NMR and in comparison with the literature data. CONCLUSIONS: Compound 3 was found to be the most active among the four isolates with an MIC of 15.6 ug/mL and MBC of 31.25 ug/mL against Pseudomonas aeruginosa. This is the first report on the antimicrobial activity of the isolated alkaloids from the genus Pandanus.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.151 mL	15.753 mL	31.506 mL
5 mM	0.630 mL	3.151 mL	6.301 mL
10 mM	0.315 mL	1.575 mL	3.151 mL
50 mM	0.063 mL	0.315 mL	0.630 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Antimicrobial alkaloids from the leaves of Pandanus amaryllifolius. J. Appl. Pharm.Sci.,2015,5(10):151-3.

Inhibitors · Natural Compounds · Compound Libraries

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