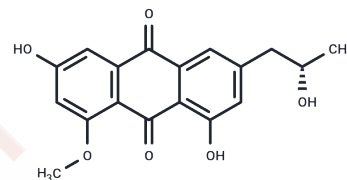


Penipurdin A

Chemical Properties

CAS No. :	1821668-16-9
Formula:	C ₁₈ H ₁₆ O ₆
Molecular Weight:	328.32
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	Penipurdin A is an anthraquinone fungal metabolite originally isolated from <i>P. purpurogenum</i> that has antibacterial activity. ^{1,2} It is active against <i>M. tuberculosis</i> with a MIC value of 25 µg/mL. ²
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0458 mL	15.229 mL	30.4581 mL
5 mM	0.6092 mL	3.0458 mL	6.0916 mL
10 mM	0.3046 mL	1.5229 mL	3.0458 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

- Xue, J., Fu, Y., Wu, P., et al. Two new anthraquinones from the soil fungus *Penicillium purpurogenum* SC0070J. *Antibiot. (Tokyo)* 68(9)598-599(2015)
- Daengrot, C., Rukachaisirikul, V., Tadpetch, K., et al. Penicillanthone and penicillidic acids A-C from the soil-derived fungus *Penicillium aculeatum* PSU-RSPG105RSC *Adv.* 6(46)39700-39709(2016)

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