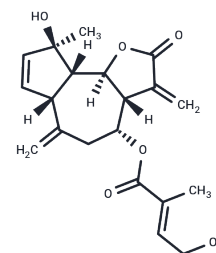


Eupalinilide B

Chemical Properties

CAS No. :	757202-08-7
Formula:	C ₂₀ H ₂₄ O ₆
Molecular Weight:	360.4
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	Eupalinilides B demonstrates potent cytotoxicity against P-388 and A-549 tumor cell lines.
Targets(IC50)	Others
In vitro	Ten new guaiane type sesquiterpene lactones, namely, eupalinilides A-J (1-10), as well as nine known compounds, eupachinilide C (11), eupachifolin D (12), eupachinilide E (13), 2alpha-hydroxyeupatolide (14), 3-deacetyeupalinin A (15), heliangine (16), 8beta-tigloyloxy-2,3-seco-6betaH,7alphaH-helianga-4Z,11(13)-diene-3,10beta;6, 12-diolid-2-oic acid (17), 8beta-(4'-hydroxytigloyloxy)-3beta,14-dihydroxy-6betaH,7alphaH-germacra-1(10)Z,4Z,11(13)-trien-6,12-olide (18), and 8beta-tigloyloxy-3beta,14-dihydroxy-6betaH,7alphaH-germacra-1(10)Z,4E,11(13)-trien-6,12-olide (19), were isolated from the whole plant of Eupatorium lindleyanum. Eupalinilide B (2), Eupalinilide C (3), Eupalinilide E (5), Eupalinilide F (6), and Eupalinilide I (9) have been tested for cytotoxicity against P-388 and A-549 tumor cell lines.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7747 mL	13.8735 mL	27.7469 mL
5 mM	0.5549 mL	2.7747 mL	5.5494 mL
10 mM	0.2775 mL	1.3873 mL	2.7747 mL
50 mM	0.0555 mL	0.2775 mL	0.5549 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

Cytotoxic sesquiterpene lactones from Eupatorium lindleyanum. J. Nat. Prod., 2004, 67(9):1470-5.

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