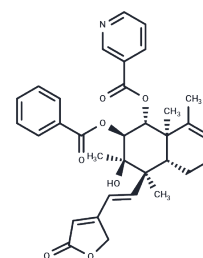


Scutebarbatine B

Chemical Properties

CAS No. :	905929-95-5
Formula:	C ₃₃ H ₃₅ N ₀ O ₇
Molecular Weight:	557.63
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	Scutebarbatine B shows weak cytotoxicity with IC ₅₀ values ranging from 35.11 to 42.73 μ M against K562 cell lines and HL60 cell lines.
Targets(IC ₅₀)	Others
In vitro	Bioassay-guided isolation of the aerial part of <i>Scutellaria barbata</i> yielded three new neo-clerodane diterpenoids scutebatas P-R (1-3), together with two known ones: scutebata E (4) and Scutebarbatine B (5). The chemical structures of the isolated compounds were elucidated by spectroscopic methods (NMR and MS) and by comparison with the spectroscopic data reported in the literature.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7933 mL	8.9665 mL	17.933 mL
5 mM	0.3587 mL	1.7933 mL	3.5866 mL
10 mM	0.1793 mL	0.8967 mL	1.7933 mL
50 mM	0.0359 mL	0.1793 mL	0.3587 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

Bioassay-guided isolation of neo-clerodane diterpenoids from *Scutellaria barbata*. J Asian Nat Prod Res. 2013 Sep; 15(9):941-9.

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