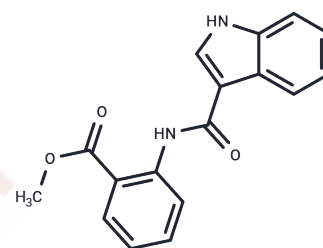


Cephalandole B

Chemical Properties

CAS No. :	915315-44-5
Formula:	C17H14N2O3
Molecular Weight:	294.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	cephalandole B, an indole alkaloid isolated from cyanide, significantly inhibited IL-17A gene expression and suppressed IL-17A luciferase reporter in Jukat cells in a dose-dependent manner.
Targets(IC50)	IL Receptor
In vitro	Two indole alkaloids, including one new indigodole D and cephalandole B, were isolated from Qing Dai. Cephalandole B did not inhibit the IL-17A protein secretion. Nevertheless, both isolates notably inhibited IL-17A gene expression, especially cephalandole B, in a dose-dependent manner in Jukat cells with IL-17A luciferase reporter.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3979 mL	16.9895 mL	33.9789 mL
5 mM	0.6796 mL	3.3979 mL	6.7958 mL
10 mM	0.3398 mL	1.6989 mL	3.3979 mL
50 mM	0.068 mL	0.3398 mL	0.6796 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

- Lee CL, et al. IL-17A inhibitions of indole alkaloids from traditional Chinese medicine Qing Dai. J Ethnopharmacol. 2020;255:112772.
- Mason JJ, et al. Synthetic studies of cephalandole alkaloids and the revised structure of cephalandole A. J Nat Prod. 2008;71(8):1447-1450.

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