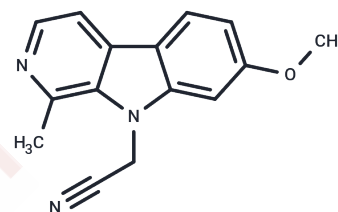


AnnH31

Chemical Properties

CAS No. :	241809-12-1
Formula:	C ₁₅ H ₁₃ N ₃ O
Molecular Weight:	251.28
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	AnnH31 is a potent Dyrk1A inhibitor with an IC ₅₀ value of 81 nM. AnnH31 inhibits MAO-A with an IC ₅₀ of 3.2 μM. AnnH31 can be used as a probe to confirm the involvement of DYRK1A in cellular phosphorylation.
Targets(IC ₅₀)	MAO, DYRK, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 50 mg/mL (198.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9796 mL	19.8981 mL	39.7962 mL
5 mM	0.7959 mL	3.9796 mL	7.9592 mL
10 mM	0.398 mL	1.9898 mL	3.9796 mL
50 mM	0.0796 mL	0.398 mL	0.7959 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

Rüben K, et al. Selectivity Profiling and Biological Activity of Novel β-Carbolines as Potent and Selective DYRK1 Kinase Inhibitors. PLoS One. 2015 Jul 20;10(7):e0132453.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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