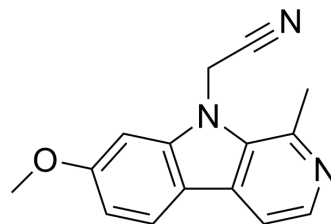


AnnH31

Cat. No.:	HY-129449
CAS No.:	241809-12-1
Molecular Formula:	C ₁₅ H ₁₃ N ₃ O
Molecular Weight:	251.28
Target:	Monoamine Oxidase; DYRK
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (497.45 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9796 mL	19.8981 mL	39.7962 mL
	5 mM		0.7959 mL	3.9796 mL	7.9592 mL
	10 mM		0.3980 mL	1.9898 mL	3.9796 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AnnH31 is a Dyrk1A inhibitor (IC₅₀: 81 nM). AnnH31 also inhibits MAO-A with an IC₅₀ of 3.2 μM^[1].

IC₅₀ & Target

81 nM (Dyrk1A), 3.2 μM (MAO-A)^[1]

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA