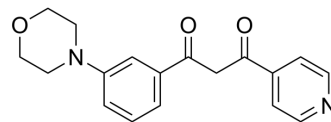


Lysyl hydroxylase 2-IN-1

Cat. No.:	HY-149597
Molecular Formula:	C ₁₈ H ₁₈ N ₂ O ₃
Molecular Weight:	310.35
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (161.11 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.2222 mL	16.1108 mL	32.2217 mL
				5 mM	0.6444 mL	3.2222 mL	6.4443 mL
				10 mM	0.3222 mL	1.6111 mL	3.2222 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Lysyl hydroxylase 2-IN-1 (compound 12) is a selective lysyl hydroxylase 2 (LH2) Inhibitor with an IC ₅₀ of ~300 nM. Lysyl hydroxylase 2-IN-1 demonstrates selectivity for LH2 over LH1 and LH3 ^[1] .
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REFERENCES

[1]. Juhoon Lee, et al. Unleashing the Potential of 1,3-Diketone Analogues as Selective LH2 Inhibitors. ACS Med Chem Lett. 2023, 14, 10, 1396-1403.

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