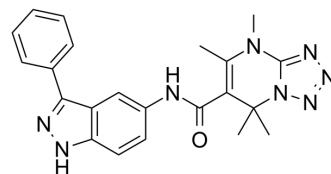


EB-42486

Cat. No.:	HY-142647		
CAS No.:	2390475-81-5		
Molecular Formula:	C ₂₂ H ₂₂ N ₈ O		
Molecular Weight:	414.46		
Target:	LRRK2		
Pathway:	Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (301.60 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4128 mL	12.0639 mL	24.1278 mL
5 mM	0.4826 mL	2.4128 mL	4.8256 mL
10 mM	0.2413 mL	1.2064 mL	2.4128 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.08 mg/mL (5.02 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

EB-42486 is a novel, potent, and highly selective G2019S-LRRK2 inhibitor (IC₅₀ < 0.2 nM).

REFERENCES

[1]. Garofalo AW, et al. Selective Inhibitors of G2019S-LRRK2 Kinase Activity. J Med Chem. 2020 Dec 10;63(23):14821-14839.

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

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