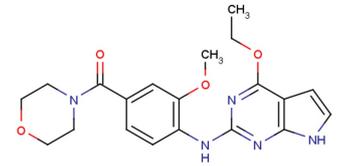


Data Sheet (Cat.No.T11878)

LRRK2 inhibitor 1

Chemical Properties

CAS No.:	1802525-61-6
Formula:	C ₂₀ H ₂₃ N ₅ O ₄
Molecular Weight:	397.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	LRRK2 inhibitor 1 is a selective, potent and oral LRRK2 inhibitor with an pIC ₅₀ of 6.8 nM.
Targets(IC ₅₀)	LRRK2: 6.8 nM (pIC ₅₀)

Solubility Information

Solubility	DMSO: 62.5 mg/mL (157.26 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.516 mL	12.581 mL	25.162 mL
5 mM	0.503 mL	2.516 mL	5.032 mL
10 mM	0.252 mL	1.258 mL	2.516 mL
50 mM	0.05 mL	0.252 mL	0.503 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Ding X, et al. Discovery of 4-ethoxy-7H-pyrrolo[2,3-d]pyrimidin-2-amines as potent, selective and orally bioavailable LRRK2 inhibitors. *Bioorg Med Chem Lett.* 2018 May 15;28(9):1615-1620.

Inhibitors · Natural Compounds · Compound Libraries

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