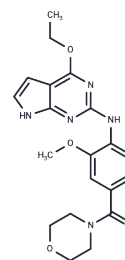


## LRRK2 inhibitor 1

## Chemical Properties

CAS No. :	1802525-61-6
Formula:	C <sub>20</sub> H <sub>23</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	397.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	LRRK2 inhibitor 1 is a selective and potent LRRK2 inhibitor with an IC <sub>50</sub> of 13 nM. LRRK2 inhibitor 1 inhibits DCLK1 kinase with an IC <sub>50</sub> value of 2.61 nM.
Targets(IC <sub>50</sub> )	CDK, LRRK2

## Solubility Information

Solubility	DMSO: 70 mg/mL (176.13 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	2.5162 mL	12.5808 mL	25.1617 mL
5 mM	0.5032 mL	2.5162 mL	5.0323 mL
10 mM	0.2516 mL	1.2581 mL	2.5162 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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.

## Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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