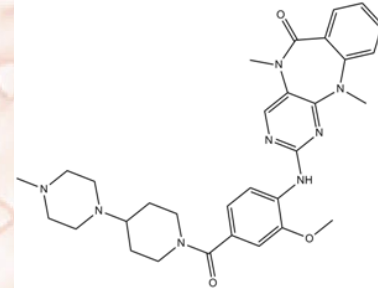


Product Data Sheet

LRRK2-IN-1

Cat. No.:	A3558
CAS No.:	1234480-84-2
Formula:	C31H38N8O3
M.Wt:	570.7
Synonyms:	LRRK 2-IN-1
Target:	Tyrosine Kinase
Pathway:	LRRK2
Storage:	Store at -20°C



Solvent & Solubility

≥28.55 mg/mL in DMSO; insoluble in H₂O; ≥57.2 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	1.7522 mL	8.7612 mL	17.5223 mL
	5 mM	0.3504 mL	1.7522 mL	3.5045 mL
	10 mM	0.1752 mL	0.8761 mL	1.7522 mL

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

Biological Activity

Shortsummary

LRRK2 inhibitor, cell-permeable and ATP competitive

IC₅₀ & Target

13 nM (wild-type LRRK2), 6 nM (G2019S mutant LRRK2)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Chen J, Su P, et al. "Role of LRRK2 in manganese-induced neuroinflammation and microglial autophagy." *Biochem Biophys Res Commun.* 2018 Mar 25; 498(1):171-177. PMID:29408508

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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