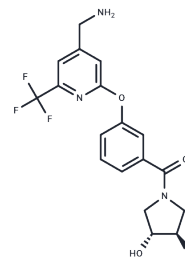


## Lenumlostat

## Chemical Properties

CAS No. :	2098884-52-5
Formula:	C <sub>18</sub> H <sub>17</sub> F <sub>4</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	399.34
Storage:	Store under nitrogen Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Lenumlostat is an orally available, selective and potent lysyl oxidase-like protein 2 (LOXL2) inhibitor with inhibitory effects on hLOXL2, hLOXL3 and LOXL2 for the study of fibrotic diseases.
Targets(IC50)	Monoamine Oxidase
In vitro	Lenumlostat(PAT-1251) is a Lysyl Oxidase-Like 2 (LOXL2) inhibitor, with IC <sub>50</sub> s of 0.71 μM and 1.17 μM for hLOXL2 and hLOXL3, respectively. It also potently inhibits LOXL2 in mouse, rat, and dog, with IC <sub>50</sub> s of 0.10 μM, 0.12 μM, and 0.16 μM, respectively. Lenumlostat(PAT-1251) exhibits high selectivity for LOXL2 over other key members of the amine oxidase family, such as the copper-dependent amine oxidases semicarbazide-sensitive amine oxidase (SSAO) and diamine oxidase (DAO). Additionally, it shows selectivity against the flavin-dependent monoamine oxidases A (MAO-A) and B (MAO-B), with less than 10% inhibition at 10 μM[1].

## Solubility Information

Solubility	DMSO: 45 mg/mL (112.69 mM), Sonication is recommended. H <sub>2</sub> O: 80 mg/mL (200.33 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.5041 mL	12.5207 mL	25.0413 mL
5 mM	0.5008 mL	2.5041 mL	5.0083 mL
10 mM	0.2504 mL	1.2521 mL	2.5041 mL
50 mM	0.0501 mL	0.2504 mL	0.5008 mL

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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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Rowbottom MW, et al. Identification of 4-(Aminomethyl)-6-(trifluoromethyl)-2-(phenoxy)pyridine Derivatives as Potent, Selective, and Orally Efficacious Inhibitors of the Copper-Dependent Amine Oxidase, Lysyl Oxidase-Like 2 (LOXL2). *J Med Chem.* 2017 May 25;60(10):4403-4423.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481