



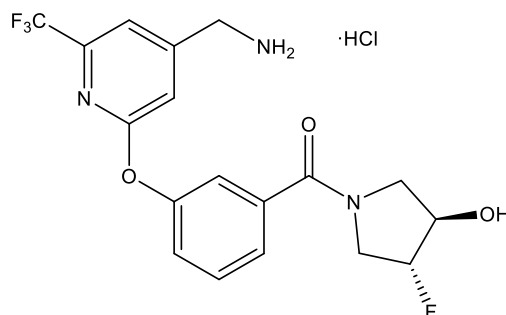
**Catalog # 10-4976**

**PAT-1251**

CAS# 2098884-53-6

(R,R)-trans-(3-((4-(Aminomethyl)-6-(trifluoromethyl)pyridine-2-yl)oxy)phenyl)(3-fluoro-4-hydroxypyrrolidin-1-yl)methanone hydrochloride; Lenumlostат hydrochloride

Lot # FBA10084



PAT-1251 is a potent ( $IC_{50} = 710$  nM) inhibitor of LOXL2, a copper-dependent amine oxidase that deaminates lysine and hydroxylysine residues in collagen and elastin. It displayed >400-fold selectivity over LOX as well as high selectivity against the related amine oxidases SSAO, DAO, and MAO-A/B. A potential new therapeutic for the treatment of fibrotic diseases.

- 1) Rowbottom *et al.* (2017), *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. **60** 4403

### **PHYSICAL DATA**

Molecular Weight:	435.80
Molecular Formula:	$C_{18}H_{17}F_3N_3O_3 \cdot HCl$
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>50 mg/ml); water (>80 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at $-20^{\circ}$ for up to 1 year from the date of purchase. Store solutions at $-20^{\circ}C$ for up to 1 month.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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