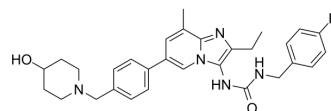


ATX inhibitor 12

Cat. No.:	HY-144743
CAS No.:	2771312-16-2
Molecular Formula:	C ₃₀ H ₃₄ FN ₅ O ₂
Molecular Weight:	515.62
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description ATX inhibitor 12 (compound 20) is an orally active and potent ATX (autotaxin) inhibitor, with an IC₅₀ of 1.72 nM. ATX inhibitor 12 effectively alleviates lung structural damage with fewer fibrotic lesions at an oral dose of 60 mg/kg in C57Bl/6J mice. ATX inhibitor 12 can be used for idiopathic pulmonary fibrosis (IPF) research^[1].

IC₅₀ & Target Autotaxin
1.72 nM (IC₅₀)

REFERENCES

[1]. Chen Y, et al. Design, synthesis and anti-fibrosis evaluation of imidazo[1,2-a]pyridine derivatives as potent ATX inhibitors. *Bioorg Med Chem.* 2021 Sep 15;46:116362.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA