

ATX-IN-3

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	ATX-IN-3 is an orally active autotaxin (ATX) inhibitor with an IC50 of 46 nM. It effectively ameliorates pulmonary fibrosis in mouse models by significantly reducing collagen deposition. ATX-IN-3 demonstrates excellent metabolic stability and drug-like properties, making it suitable for research on idiopathic pulmonary fibrosis (IPF).
Targets(IC50)	PDE
In vitro	ATX-IN-3 (Compound 12) exhibits favorable drug-like properties, including good metabolic stability in rat liver microsomes ( $t_{1/2} = 73.06$ min, $CL_{int} = 18.97$ $\mu$ L/min/mg), a high drug-likeness score (1.24), and a ligand lipophilicity efficiency (LLE) value of 2.98.
In vivo	ATX-IN-3 (Compound 12) at a dosage of 60 mg/kg administered orally once daily for 21 consecutive days can inhibit Bleomycin-induced pulmonary fibrosis in mice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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