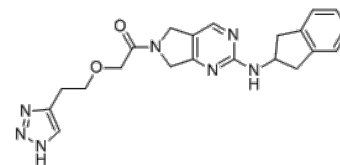


Product Name : Autotaxin inhibitor compound 1
Cat. No. : PC-60695
CAS No. : 1619971-30-0
Molecular Formula : C₂₁H₂₃N₇O₂
Molecular Weight : 405.462
Target : Autotaxin
Solubility : 10 mM in DMSO



Biological Activity

Autotaxin inhibitor compound 1 (Autotaxin-IN-1) is a potent, selective, orally bioavailable inhibitor of **Autotaxin** with IC₅₀ of 2.2 nM in ex vivo human whole blood assay, does not inhibit related proteins ENPP1 and ENPP7.

Autotaxin-IN-1 demonstrates significant anti-inflammatory and analgesic effects in the carrageenan-induced paw inflammation and acetic acid-induced visceral pain tests, respectively.

Autotaxin-IN-1 also significantly inhibits disease activity score in the dextran sodium sulfate-induced model of inflammatory bowel disease (IBD) and in autoimmune encephalomyelitis model of multiple sclerosis (MS).

References

Thirunavukkarasu K, et al. *J Pharmacol Exp Ther*. 2016 Oct;359(1):207-14.

Jones SB, et al. *ACS Med Chem Lett*. 2016 Aug 2;7(9):857-61.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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