

TD-0212

Chemical Properties

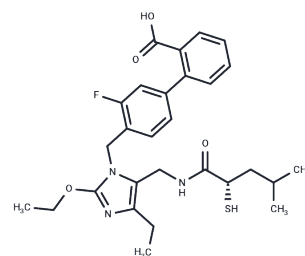
CAS No. : 1073549-10-6

Formula: $C_{28}H_{34}FN_3O_4S$

Molecular Weight: 527.65

Appearance: no data available

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



Biological Description

Description	TD-0212 is an orally active dual pharmacology antagonist of angiotensin II type 1 receptor (AT1) and inhibitor of neprilysin (NEP)(pKi of 8.9 for AT1 and a pIC50 of 9.2 for NEP).
Targets(IC50)	Others
In vitro	TD-0212 is a AT1/NEP dual inhibitor, with a potentially lower risk of angioedema relative to dual ACE/NEP inhibition.
In vivo	In models of renin-dependent and -independent hypertension, TD-0212 produces blood pressure reductions similar to omapatrilat and combinations of AT1 receptor antagonists and NEP inhibitors .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8952 mL	9.476 mL	18.952 mL
5 mM	0.379 mL	1.8952 mL	3.7904 mL
10 mM	0.1895 mL	0.9476 mL	1.8952 mL
50 mM	0.0379 mL	0.1895 mL	0.379 mL

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.

Reference

McKinnell RM, et al. Discovery of TD-0212, an Orally Active Dual Pharmacology AT1 Antagonist and Neprilysin Inhibitor (ARNI). ACS Med Chem Lett. 2018 Dec 3;10(1):86-91.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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