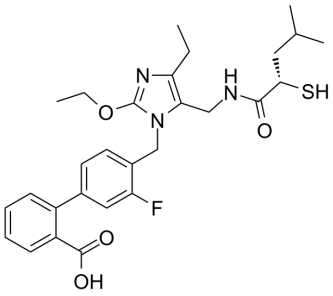
TD-0212

Cat. No.:	HY-114412
CAS No.:	1073549-10-6
Molecular Formula:	$C_{28}H_{34}FN_3O_4S$
Molecular Weight:	527.65
Target:	Angiotensin Receptor; Neprilysin
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TD-0212 (compound 35) is an orally active dual pharmacology angiotensin II type 1 receptor (AT_1) antagonist and neprilysin (NEP) inhibitor, with a pK_i of 8.9 for AT_1 and a pIC_{50} of 9.2 for NEP[1].
IC_{50} & Target	pKi: 8.9 (AT_1) pIC50: 9.2 (NEP)[1].
In Vitro	TD-0212 (compound 35) provides the enhanced activity of dual AT1/NEP inhibition with a potentially lower risk of angioedema relative to dual ACE/NEP inhibition[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	TD-0212 (compound 35) produces blood pressure reductions similar to omapatrilat and combinations of AT1 receptor antagonists and NEP inhibitors in models of renin-dependent and –independent hypertension[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

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