

AT1R antagonist 3

Chemical Properties

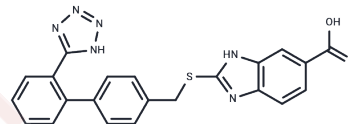
CAS No. : 3053482-15-5

Formula: C₂₂H₁₆N₆O₂S

Molecular Weight: 428.47

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	AT1R antagonist 3 (Compound 1) is an antagonist of the angiotensin II type 1 receptor (AT1R) and an inhibitor of the L-type calcium channel Ca _v 1.2 (IC ₅₀ =0.57 μM). It exhibits vasodilatory effects in isolated rat aorta (10 μM, 88.7%) and shows antihypertensive activity in rat models.
Targets(IC ₅₀)	RAAS, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3339 mL	11.6694 mL	23.3389 mL
5 mM	0.4668 mL	2.3339 mL	4.6678 mL
10 mM	0.2334 mL	1.1669 mL	2.3339 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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