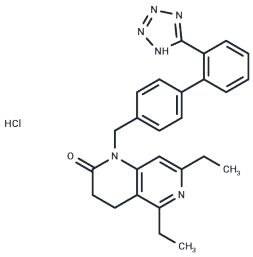
Data Sheet (Cat.No.T13390)

TargetMol
YOUR TARGET MOLECULES

ZD 7155 hydrochloride

Chemical Properties



CAS No. : 146709-78-6

Formula: C26H27ClN6O

Molecular Weight: 474.98

Appearance: no data available

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

Biological Description

Description	ZD 7155 hydrochloride is an angiotensin II receptor type 1 (AT1 receptor) antagonist.
Targets(IC50)	RAAS
In vivo	ZD 7155 (240 ng/kg ； 10 min infusion ； SD rats) is approximately ten times as potent as losartan in suppressing the angiotensin II-induced pressor response.[1] ZD 7155 (1.082 μmol/kg ； administered intravenously) and angiotensin II given at 240 ng/kg (in a 10-min infusion) could suppress the angiotensin II-induced pressor response.[1] ZD 7155 (1.082 mumol/kg ； conscious SHRs) and losartan (6.495 mumol/kg) as intravenous boluses indicate that both ZD 7155 and the reference compound losartan exhibit a significant antihypertensive effect.[1]

Solubility Information

Solubility	H2O: 3.8 mg/mL (7.9 mM),Sonication and heating to 60°C are recommended. DMSO: 225.0 mg/mL (473.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1054 mL	10.5268 mL	21.0535 mL
5 mM	0.4211 mL	2.1054 mL	4.2107 mL
10 mM	0.2105 mL	1.0527 mL	2.1054 mL
50 mM	0.0421 mL	0.2105 mL	0.4211 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

Junggren IL, et al. Comparative cardiovascular effects of the angiotensin II type 1 receptor antagonists ZD 7155 and losartan in the rat. J Pharm Pharmacol. 1996 ; 48(8): 829-833.

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