

Angiotensin II (3-8), human TFA

Chemical Properties

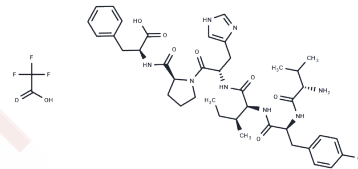
CAS No. :

Formula: C42H55F3N8O10

Molecular Weight: 888.93

Appearance: no data available

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



Biological Description

Description	Angiotensin II (3-8), human (TFA), is an angiotensin AT1 receptor agonist with reduced activity.
Targets(IC50)	RAAS
In vivo	In anesthetized rats, Human Angiotensin II (3-8) induces endothelium-dependent renal cortical vasodilation. At doses up to 125 pmol/kg, it exerts no cardiovascular effects. However, at doses of 1.25 and 12.5 nmol/kg, it causes dose-dependent elevations in mean arterial blood pressure along with decreases in renal and mesenteric flows and vascular conductances.

Solubility Information

Solubility	H2O: 50 mg/mL (56.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1249 mL	5.6247 mL	11.2495 mL
5 mM	0.225 mL	1.1249 mL	2.2499 mL
10 mM	0.1125 mL	0.5625 mL	1.1249 mL
50 mM	0.0225 mL	0.1125 mL	0.225 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

Gardiner SM, et al. Regional haemodynamic effects of angiotensin II (3-8) in conscious rats. Br J Pharmacol. 1993 Sep;110(1):159-62.

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