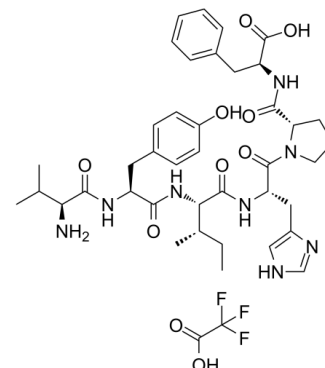


Data Sheet

Product Name:	Angiotensin II (3-8), human (TFA)
Cat. No.:	CS-0058438
Molecular Formula:	C42H55F3N8O10
Molecular Weight:	888.93
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
Solubility:	H2O : 50 mg/mL (56.25 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Angiotensin II (3-8), human (TFA) is a less effective agonist at the **angiotensin AT₁ receptor**. IC₅₀ & Target: Angiotensin AT₁ receptor [1]. **In Vivo:** Human Angiotensin II (3-8) causes endothelium-dependent renal cortical vasodilatation, in anaesthetized rats. At doses up to 125 pmol/kg, human Angiotensin II (3-8) is without any cardiovascular effects, but with doses of 1.25 and 12.5 nmol/kg there are dose-dependent increases in mean arterial blood pressure and reductions in renal and mesenteric flows and vascular conductances[1].

PROTOCOL (Extracted from published papers and Only for reference)

Animal Administration: [1]Rats[1]

Male Long Evans rats (350-450 g) (n=7) are given increasing bolus doses of AII (1.25, 12.5 and 125 pmol/kg) or **human Angiotensin II (3-8) (0.125, 1.25 and 12.5 nmol/kg)** in random order, in the morning or afternoon of the same experimental day. Injections are separated by at least 20 min to allow variables to return to baseline[1].

References:

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

CAIndexNames:

Angiotensin II (3-8), human (TFA)

SMILES:

O=C(O)C(F)(F)F.O=C(N[C@@H](CC1=CC=C(C=C1)O)C(N[C@@H]([C@@H](C)CC)C(N[C@@H](CC2=CNC=N2)C(N3[C@@H](CCC3)C(N[C@@H](CC4=CC=CC=C4)C(O)=O)=O)[C@H](C(C)C)N

Caution: Product has not been fully validated for medical applications. For research use only.

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