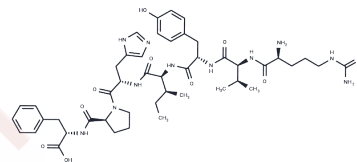


## Angiotensin III, human, mouse

## Chemical Properties

CAS No. :	13602-53-4
Formula:	C46H66N12O9
Molecular Weight:	931.09
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Angiotensin III, human, mouse (Angiotensin III, human, mouse(3TFA))(3TFA) is an endogenous angiotensin II receptor (AT2R) agonist(IC50s of 0.648 nM).
Targets(IC50)	RAAS
In vivo	Angiotensin III, human, mouse increased urine sodium excretion, fractional sodium, and lithium excretion. RI coinfusion of specific angiotensin type 2 receptor antagonist PD-123319 abolished Ang III-induced natriuresis[1].

## Solubility Information

Solubility	H2O: 127.5 mg/mL (136.94 mM), Sonication is recommended. DMSO: 10 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	1.074 mL	5.3701 mL	10.7401 mL
5 mM	0.2148 mL	1.074 mL	2.148 mL
10 mM	0.1074 mL	0.537 mL	1.074 mL
50 mM	0.0215 mL	0.1074 mL	0.2148 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.

Reference

Kemp B A , Bell J F , Rottkamp D M , et al. Intrarenal Angiotensin III Is the Predominant Agonist for Proximal Tubule Angiotensin Type 2 Receptors[J]. Hypertension, 2012, 60(2):387-395.

Bosnyak S , Jones E S , Christopoulos A , et al. Relative affinity of angiotensin peptides and novel ligands at AT(1) and AT(2) receptors[J]. Clinical Science, 2011, 121(7):297-303.

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