[Sar1, Ile8]-Angiotensin II TFA

Cat. No.: HY-P1564A

Molecular Formula: $C_{48}H_{74}F_3N_{13}O_{12}$

Molecular Weight: 1082.18

Sequence: {SAR}-Arg-Val-Tyr-Ile-His-Pro-Ile

Sequence Shortening: {SAR}-RVYIHPI

Target: Angiotensin Receptor

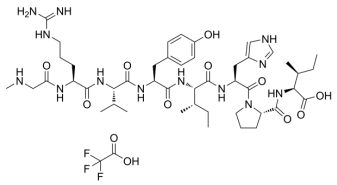
Pathway: GPCR/G Protein

Storage: Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (46.20 mM; Need ultrasonic)

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

Solvent Concentration / Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions 1 mM	0.9241 mL	4.6203 mL	9.2406 mL
5 mM	0.1848 mL	0.9241 mL	1.8481 mL
10 mM	0.0924 mL	0.4620 mL	0.9241 mL

Please refer to the solubility information to select the appropriate solvent.

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BIOLOGICAL ACTIVITY

Description

[Sar1, Ile8]-Angiotensin II (TFA) is a peptide that has multiple effects on vascular smooth muscle, including contraction of normal arteries and hypertrophy or hyperplasia of cultured cells or diseased vessels.

In Vitro

[Sar1, Ile8]-Angiotensin II (TFA) has multiple effects on vascular smooth muscle, including contraction of normal arteries and hypertrophy or hyperplasia of cultured cells or diseased vessels. [Sar1, Ile8]-Angiotensin II (TFA) activates both the NADPH and NADH oxidases, and stimulates superoxide anion formation in vascular smooth muscle cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Griendling KK, et al. Angiotensin II stimulates NADH and NADPH oxidase activity in cultured vascular smooth muscle cells. Circ Res. 1994 Jun;74(6):1141-8.