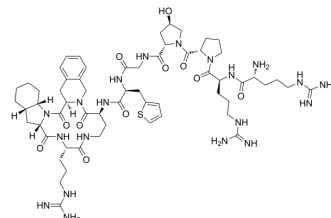


MEN 11270

Cat. No.: HY-103289
CAS No.: 235082-52-7
Molecular Formula: C₆₀H₉₀N₂₀O₁₁S
Molecular Weight: 1299.55
Sequence: {d-Arg}-Arg-Pro-{Hyp}-Gly-{Thi}-c({Dab}-{d-Tic}-{Oic}-Arg)c(7γ-10α)
Sequence Shortening: {d-Arg}-RP-{Hyp}-G-{Thi}-c({Dab}-{d-Tic}-{Oic}-R)c(7γ-10α)
Target: Bradykinin Receptor
Pathway: GPCR/G Protein
Storage: Sealed storage, away from moisture and light



Sealed storage, away from moisture and light

Powder -80°C 2 years

-20°C 1 year

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

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (76.95 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.7695 mL	3.8475 mL	7.6950 mL
5 mM	0.1539 mL	0.7695 mL	1.5390 mL
10 mM	0.0769 mL	0.3847 mL	0.7695 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (1.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (1.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MEN 11270, a cyclic decapeptide, is a B2 kinin receptor antagonist. MEN 11270 bound with high-affinity to the B2 kinin receptor constitutively expressed by WI38 human fibroblasts, inhibiting 3H-bradykinin (BK) with a pK_i value of 10.3^[1].

REFERENCES

[1]. Meini S, et, al. MEN 11270, A novel selective constrained peptide antagonist with high affinity at the human B2 kinin receptor. J Pharmacol Exp Ther. 1999 Jun;289(3):1250-6.

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

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