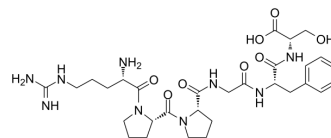


## Bradykinin (1-6)

<b>Cat. No.:</b>	HY-P1469
<b>CAS No.:</b>	23815-88-5
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>45</sub> N <sub>9</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	659.73
<b>Sequence:</b>	Arg-Pro-Pro-Gly-Phe-Ser
<b>Sequence Shortening:</b>	RPPGFS
<b>Target:</b>	Bradykinin Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	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

<b>In Vitro</b>	DMSO : 100 mg/mL (151.58 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>			
		<b>1 mM</b>	1.5158 mL	7.5789 mL	15.1577 mL
		<b>5 mM</b>	0.3032 mL	1.5158 mL	3.0315 mL
	<b>10 mM</b>	0.1516 mL	0.7579 mL	1.5158 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.79 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.79 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.79 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Bradykinin (1-6) is an amino-truncated Bradykinin peptide. Bradykinin (1-6) is a stable metabolite of Bradykinin, cleaved by carboxypeptidase Y (CPY).
<b>In Vivo</b>	Bradykinin (1-6) is a stable metabolite of Bradykinin in rat urine. Bradykinin (BK) is very active in renal function because it participates in increasing the renal blood flow and in diuresis and natriuresis <sup>[1]</sup> .

---

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

## REFERENCES

---

[1]. Majima M, et al. Diuretic and natriuretic effect of ebelactone B in anesthetized rats by inhibition of a urinary carboxypeptidase Y-like kininase. Jpn J Pharmacol. 1994 May;65(1):79-82.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA