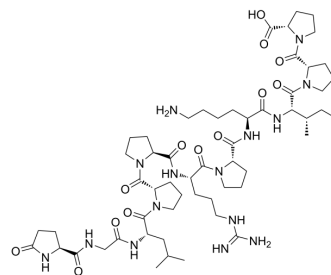


## Bradykinin potentiator B

<b>Cat. No.:</b>	HY-P3985
<b>CAS No.:</b>	30892-86-5
<b>Molecular Formula:</b>	C <sub>56</sub> H <sub>91</sub> N <sub>15</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	1182.41
<b>Sequence Shortening:</b>	{Glp}-GLPPRPKIPP
<b>Target:</b>	Angiotensin-converting Enzyme (ACE)
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Sealed storage, away from moisture and light, under nitrogen
	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, under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (84.57 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8457 mL	4.2287 mL	8.4573 mL
	5 mM	0.1691 mL	0.8457 mL	1.6915 mL
	10 mM	0.0846 mL	0.4229 mL	0.8457 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Bradykinin potentiator B (Bradykinin potentiating peptide B) is venom of *Agkistrodon halys blomhoffii*. Bradykinin potentiator B is a potent ACE inhibitor. Bradykinin potentiator inhibits the activity of bradykinin inhibitory peptidase<sup>[1]</sup>.

### REFERENCES

[1]. Kato H, et, al. Bradykinin-potentiating peptides from the venom of *Agkistrodon halys blomhoffii*. Isolation of five bradykinin potentiators and the amino acid sequences of two of them, potentiators B and C. *Biochemistry*. 1971 Mar 16;10(6):972-80.

[2]. Tom B, et, al. Bradykinin potentiation by ACE inhibitors: a matter of metabolism. *Br J Pharmacol*. 2002 Sep;137(2):276-84.

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

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