

## [Tyr8] Bradykinin

Cat. No.:	HY-P3751
CAS No.:	32222-00-7
Molecular Formula:	C <sub>50</sub> H <sub>73</sub> N <sub>15</sub> O <sub>12</sub>
Molecular Weight:	1076.21
Sequence Shortening:	RPPGFSPYR
Target:	Bradykinin Receptor; ERK
Pathway:	GPCR/G Protein; MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### BIOLOGICAL ACTIVITY

<b>Description</b>	[Tyr8] Bradykinin is a B <sub>2</sub> kinin receptor agonist. [Tyr8] Bradykinin also stimulates ERK1/2 phosphorylation. [Tyr8] Bradykinin can be used as an internal standard <sup>[1]</sup> .									
<b>IC<sub>50</sub> &amp; Target</b>	ERK1	ERK2								
<b>In Vitro</b>	<p>[Tyr8] Bradykinin (10 nM, 2 min) produces a rapid increase in phosphorylated ERK1/2<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>Serum-deprived trabecular meshwork cells</td> </tr> <tr> <td>Concentration:</td> <td>10 nM</td> </tr> <tr> <td>Incubation Time:</td> <td>2 min</td> </tr> <tr> <td>Result:</td> <td>Produced a rapid increase in phosphorylated ERK1/2 that was equivalent in magnitude to that observed for <a href="#">Bradykinin</a> (HY-P0206).</td> </tr> </table>		Cell Line:	Serum-deprived trabecular meshwork cells	Concentration:	10 nM	Incubation Time:	2 min	Result:	Produced a rapid increase in phosphorylated ERK1/2 that was equivalent in magnitude to that observed for <a href="#">Bradykinin</a> (HY-P0206).
Cell Line:	Serum-deprived trabecular meshwork cells									
Concentration:	10 nM									
Incubation Time:	2 min									
Result:	Produced a rapid increase in phosphorylated ERK1/2 that was equivalent in magnitude to that observed for <a href="#">Bradykinin</a> (HY-P0206).									

### REFERENCES

[1]. Webb JG, et al. Bradykinin activation of extracellular signal-regulated kinases in human trabecular meshwork cells. Exp Eye Res. 2011 Jun;92(6):495-501.

[2]. Wilson SR, et al. Determination of bradykinin and arg-bradykinin in rat muscle tissue by microdialysis and capillary column-switching liquid chromatography with mass spectrometric detection. J Sep Sci. 2005 Sep;28(14):1751-8.

**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

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