[Des-Arg9]-Bradykinin

Cat. No.:	HY-P0298
CAS No.:	15958-92-6
Molecular Formula:	$C_{44}H_{61}N_{11}O_{10}$
Molecular Weight:	904.02
Sequence:	Arg-Pro-Pro-Gly-Phe-Ser-Pro-Phe
Sequence Shortening:	RPPGFSPF
Target:	Bradykinin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	[Des-Arg9]-Bradykinin is a Bradykinin (B_1) receptor agonist that displays selectivity for B_1 over B_2 receptors.
IC_{50} & Target	Bradykinin (B_1) receptor[1]
In Vitro	The B_2 receptor mediates the action of bradykinin (BK) and lysyl-bradykinin (Lys-BK), the first set of bioactive kinins formed in response to injury from kininogen precursors through the actions of plasma and tissue kallikreins, whereas the B_1 receptor mediates the action of [Des-Arg^9]-Bradykinin (des-Arg^9-BK) and Lys-des-Arg Arg^9-BK, the second set of bioactive kinins formed through the actions of carboxypeptidases on BK and Lys-BK, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Leeb-Lundberg LM, et al. International union of pharmacology. XLV. Classification of the kinin receptor family: from molecular mechanisms to pathophysiological consequences. Pharmacol Rev. 2005 Mar;57(1):27-77.

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

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