

## Lys-[Des-Arg9]Bradykinin acetate

## Chemical Properties

CAS No. :

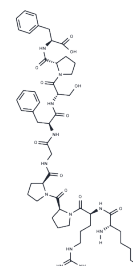
Formula: C52H77N13O13

Molecular Weight: 1092.27

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Lys-[Des-Arg9]Bradykinin acetate is an endogenous potent and highly selective bradykinin B1 receptor agonist (K <sub>i</sub> values are 0.12 and > 30000 nM at human B1 and B2 receptors respectively). Hypotensive agent that reduces peripheral vascular resistance in vivo. 16-fold more potent than [Des-Arg9]-Bradykinin.
Targets(IC50)	Bradykinin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9155 mL	4.5776 mL	9.1552 mL
5 mM	0.1831 mL	0.9155 mL	1.831 mL
10 mM	0.0916 mL	0.4578 mL	0.9155 mL
50 mM	0.0183 mL	0.0916 mL	0.1831 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Drapeau et al (1991) Hypotensive effects of Lys-des-Arg9-Bradykinin and metabolically protected agonists of B1 receptors for kinins. J.Pharmacol.Exp.Ther. 259 997 PMID:

Xiao F, Jiang H, Li Z, et al.Reduced hepatic bradykinin degradation accounts for cold-induced BAT thermogenesis and WAT browning in male mice.Nature Communications.2023, 14(1): 2523.

Regoli et al (2001) Classification of kinin receptors. Biol.Chem. 382 31 PMID:

Leeb-Lundberg et al (2005) International union of pharmacology. LV. Classification of the kinin receptor family: from molecular mechanisms to pathophysiological consequences. Pharmacol.Rev. 57 27 PMID:

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