

Sar-[D-Phe8]-des-Arg9-Bradykinin acetate

Chemical Properties

CAS No. :

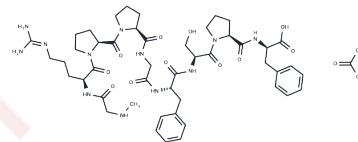
Formula: C49H70N12O13

Molecular Weight: 1035.15

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	Sar-[D-Phe8]-des-Arg9-Bradykinin acetate is a potent and selective bradykinin B1 receptor agonist (EC50 = 9.02 nM in rabbit aorta) that is resistant to aminopeptidase, kininase I and II (ACE) and neutral endopeptidase cleavage. Exhibits hypotensive and angiogenic activity in vivo.
Targets(IC50)	Bradykinin Receptor

Solubility Information

Solubility	DMSO: 5 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.966 mL	4.8302 mL	9.6604 mL
5 mM	0.1932 mL	0.966 mL	1.9321 mL
10 mM	0.0966 mL	0.483 mL	0.966 mL
50 mM	0.0193 mL	0.0966 mL	0.1932 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:

Drapeau et al (1993) Development and in vivo evaluation of metabolically resistant antagonists of B1 receptors for kinins. J.Pharmacol.Exp.Ther. 266 192 PMID:

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481