

BAM(8-22)

## Chemical Properties

CAS No. : 412961-36-5

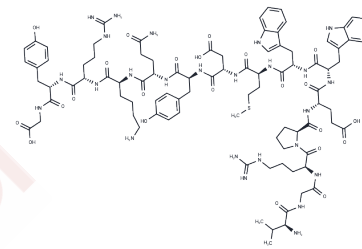
Formula: C91H127N25O23S

Molecular Weight: 1971.22

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	Endogenous peptide fragment that is a potent agonist for MRGPRX1 (EC50 values are 8 - 150 nM); first isolated from bovine adrenal medulla. Unlike BAM 22P, does not contain the met-enkephalin motif therefore displays no affinity for opioid receptors.
Targets(IC50)	MRGPR

## Solubility Information

Solubility H2O: 1 mg/mL (0.51 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5073 mL	2.5365 mL	5.073 mL
5 mM	0.1015 mL	0.5073 mL	1.0146 mL
10 mM	0.0507 mL	0.2537 mL	0.5073 mL
50 mM	0.0101 mL	0.0507 mL	0.1015 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

Chen and Ikeda (2004) Modulation of ion channels and synaptic transmission by a human sensory neuron-specific G-protein-coupled receptor, SNSR4/mrgX1, heterologously expressed in cultured rat neurons. J.Neurosci. 24 5044 PMID:

Lembo et al (2002) Proenkephalin A gene products activate a new family of sensory neuron-specific GPCRs. Nat. Neurosci. 5 201 PMID:

Simonin and Kieffer (2002) Two faces for an opioid peptide - and more receptors for pain research. Nat.Neurosci. 5 185 PMID:

Solinski et al (2014) Pharmacology and signaling of MAS-related G protein-coupled receptors. Pharmacol.Rev 66 570 PMID:

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