

Bam 12P

## Chemical Properties

CAS No.:	75513-71-2
Formula:	C <sub>62</sub> H <sub>97</sub> N <sub>21</sub> O <sub>16</sub> S
Molecular Weight:	1424.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Bam 12P is a Pro-Met-enkephalin precursor that is isolated from the bovine adrenal medulla.
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## Solubility Information

Solubility	DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.702 mL	3.510 mL	7.019 mL
5 mM	0.140 mL	0.702 mL	1.404 mL
10 mM	0.070 mL	0.351 mL	0.702 mL
50 mM	0.014 mL	0.070 mL	0.140 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Akhmedov NA, Tagiev ZG, Gasanov EM, Makhmudova TA. [Spatial structure of BAM-12P dodecapeptide and its analogues]. *Bioorg Khim.* 2005 May-Jun;31(3):245-50. Russian. PubMed PMID: 16004382.
2. Jeohn GH, Matsuzaki H, Takahashi K. Purification and characterization of a detergent-requiring membrane-bound metalloendopeptidase from porcine brain. *Eur J Biochem.* 1999 Mar;260(2):318-24. PubMed PMID: 10095765.
3. Morita S, Fukase M, Yamaguchi M, Morita Y. Substrate specificity of a novel serine protease from soybean [Glycine max (L.) Merrill]. *J Biochem.* 1996 Jun;119(6):1094-9. PubMed PMID: 8827443.
4. Medeiros MS, Iazigi N, Camargo AC, Oliveira EB. Distribution and properties of endo-oligopeptidases A and B in the human neuroendocrine system. *J Endocrinol.* 1992 Dec;135(3):579-88. PubMed PMID: 1487709.

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