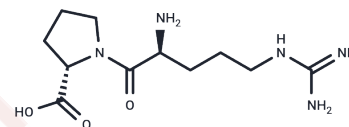


Arginylproline

Chemical Properties

CAS No. :	2418-69-1
Formula:	C ₁₁ H ₂₁ N ₅ O ₃
Molecular Weight:	271.32
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Arginylproline is a dipeptide composed of arginine and proline. It is an incomplete breakdown product of protein digestion or protein catabolism.
Targets(IC50)	Others,Proton pump

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6857 mL	18.4284 mL	36.8568 mL
5 mM	0.7371 mL	3.6857 mL	7.3714 mL
10 mM	0.3686 mL	1.8428 mL	3.6857 mL
50 mM	0.0737 mL	0.3686 mL	0.7371 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

- Mitchell WM. Hydrolysis at arginylproline in polypeptides by clostridiopeptidase B. *Science*. 1968 Oct 18;162(3851):374-5. PubMed PMID: 5677534.
- Jiang N, Pan J, Wang L, Duan YZ. No significant association between p53 codon 72 Arg/Pro polymorphism and risk of oral cancer. *Tumour Biol*. 2013 Feb;34(1):587-96. doi: 10.1007/s13277-012-0587-9. Epub 2012 Nov 29. PubMed PMID: 23192640.
- Lindner G, Grosse G. [Morphological studies of the effect of substance P partial sequences on nerve tissue culture]. *Z Mikrosk Anat Forsch*. 1983;97(1):65-74. German. PubMed PMID: 6195835.
- Burov SV, Moskalenko IuE, Leko MV, Dorosh Mlu, Panarin EF. [Derivatives of N-amidinoproline and their use in conventional and solid phase peptide synthesis]. *Bioorg Khim*. 2006 Nov-Dec;32(6):565-73. Russian. PubMed PMID: 17180906.

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