

Arginylphenylalaninamide

Chemical Properties

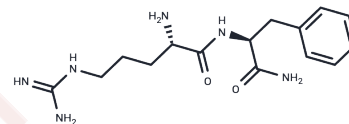
CAS No. : 34388-59-5

Formula: C₁₅H₂₄N₆O₂

Molecular Weight: 320.39

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	Arginylphenylalaninamide, an FMRamide fragment, may be utilized as a neurotransmitter or neuromodulator by optic lobe neurons of different types.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1212 mL	15.606 mL	31.212 mL
5 mM	0.6242 mL	3.1212 mL	6.2424 mL
10 mM	0.3121 mL	1.5606 mL	3.1212 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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

- Xu B, Bergqvist CA, Sundström G, Lundell I, Vaudry H, Leprince J, Larhammar D. Characterization of peptide QRFP (26Rfa) and its receptor from amphioxus, *Branchiostoma floridae*. *Gen Comp Endocrinol*. 2015 Jan 1;210:107-13. doi: 10.1016/j.ygcen.2014.10.010. Epub 2014 Oct 25. PubMed PMID: 25449662.
- Ukena K, Osugi T, Leprince J, Vaudry H, Tsutsui K. Molecular evolution of GPCRs: 26Rfa/GPR103. *J Mol Endocrinol*. 2014 Jun;52(3):T119-31. doi: 10.1530/JME-13-0207. Epub 2014 Feb 14. Review. PubMed PMID: 24532655.
- Chen R, Xiao M, Buchberger A, Li L. Quantitative neuropeptidomics study of the effects of temperature change in the crab *Cancer borealis*. *J Proteome Res*. 2014 Dec 5;13(12):5767-76. doi: 10.1021/pr500742q. Epub 2014 Sep 29. PubMed PMID: 25214466; PubMed Central PMCID: PMC4261957.
- Oren M, Brickner I, Appelbaum L, Levy O. Fast neurotransmission related genes are expressed in non nervous endoderm in the sea anemone *Nematostella vectensis*. *PLoS One*. 2014 Apr 4;9(4):e93832. doi: 10.1371/journal.pone.0093832. eCollection 2014. Erratum in: *PLoS One*. 2014;9(7):e103374. Brikner, Itzchak [corrected to Brickner, Itzchak]. PubMed PMID: 24705400; PubMed Central PMCID: PMC3976352.

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