

Bursopietin

Chemical Properties

CAS No. : 60267-34-7

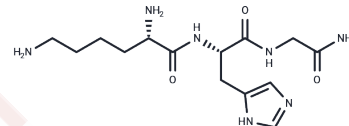
Formula: C₁₄H₂₅N₇O₃

Molecular Weight: 339.39

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	Bursopietin Cell differentiation agent in extracts of chicken bursa of fabricus.
Targets(IC50)	Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9465 mL	14.7323 mL	29.4646 mL
5 mM	0.5893 mL	2.9465 mL	5.8929 mL
10 mM	0.2946 mL	1.4732 mL	2.9465 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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

- Wang C, Li X, Wu T, Li D, Niu M, Wang Y, Zhang C, Cheng X, Chen P. Bursin-like peptide (BLP) enhances H9N2 influenza vaccine induced humoral and cell mediated immune responses. *Cell Immunol.* 2014 Nov-Dec;292(1-2): 57-64. doi: 10.1016/j.cellimm.2014.09.003. Epub 2014 Oct 4. PubMed PMID: 25282449.
- Shen X, Yi D, Ni X, Zeng D, Jing B, Lei M, Bian Z, Zeng Y, Li T, Xin J. Effects of *Lactobacillus plantarum* on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers. *Can J Microbiol.* 2014 Apr;60(4):193-202. doi: 10.1139/cjm-2013-0680. Epub 2014 Feb 13. PubMed PMID: 24693977.
- Wang C, Zhao Z, Niu M, Zhang C, Cheng X, Chen P. [Expression of bursin receptor on membranes of hybridoma cell and identification of binding peptide of bursin from 12-merrandom phage display peptide library]. *Wei Sheng Wu Xue Bao.* 2010 Feb;50(2):270-7. Chinese. PubMed PMID: 20387472.
- Wang C, Wen WY, Su CX, Ge FF, Dang ZG, Duan XG, Cao RB, Zhou B, Chen PY. Bursin as an adjuvant is a potent enhancer of immune response in mice immunized with the JEV subunit vaccine. *Vet Immunol Immunopathol.* 2008 Apr 15;122(3-4):265-74. doi: 10.1016/j.vetimm.2007.11.010. Epub 2007 Dec 4. PubMed PMID: 18191231.

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