

Leukoefdin

Chemical Properties

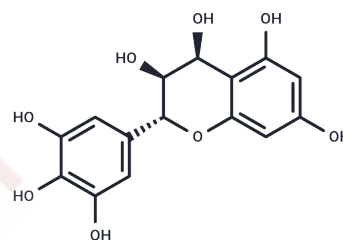
CAS No. : 491-52-1

Formula: C₁₅H₁₄O₈

Molecular Weight: 322.269

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	Leukoefdin is a colorless chemical compound related to leucoanthocyanidins.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.103 mL	15.5149 mL	31.0299 mL
5 mM	0.6206 mL	3.103 mL	6.206 mL
10 mM	0.3103 mL	1.5515 mL	3.103 mL
50 mM	0.0621 mL	0.3103 mL	0.6206 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

- Scherr TD, Hanke ML, Huang O, James DB, Horswill AR, Bayles KW, Fey PD, Torres VJ, Kielian T. Staphylococcus aureus Biofilms Induce Macrophage Dysfunction Through Leukocidin AB and Alpha-Toxin. *MBio*. 2015 Aug 25;6(4). pii: e01021-15. doi: 10.1128/mBio.01021-15. PubMed PMID: 26307164; PubMed Central PMCID: PMC4550693.
- Sheikh HQ, Aqil A, Kirby A, Hossain FS. Panton-Valentine leukocidin osteomyelitis in children: a growing threat. *Br J Hosp Med (Lond)*. 2015 Jan;76(1):18-24. doi: 10.12968/hmed.2015.76.1.18. Review. PubMed PMID: 25585179.
- Lohith GK, Kingston JJ, Singh AK, Murali HS, Batra HV. Evaluation of recombinant leukocidin domain of VvhA exotoxin of *Vibrio vulnificus* as an effective toxoid in mouse model. *Immunol Lett*. 2015 Sep;167(1):47-53. doi: 10.1016/j.imlet.2015.06.015. Epub 2015 Jun 30. PubMed PMID: 26141623.
- Spaan AN, Henry T, van Rooijen WJM, Perret M, Badiou C, Aerts PC, Kemmink J, de Haas CJC, van Kessel KPM, Vandenesch F, Lina G, van Strijp JAG. The staphylococcal toxin Panton-Valentine Leukocidin targets human C5a receptors. *Cell Host Microbe*. 2013 May 15;13(5):584-594. doi: 10.1016/j.chom.2013.04.006. PubMed PMID: 23684309.

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