

Longicin

Chemical Properties

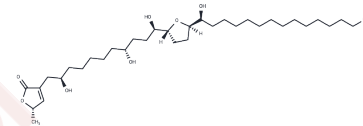
CAS No. : 170902-34-8

Formula: C₃₅H₆₄O₇

Molecular Weight: 596.88

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	Longicin is a cytotoxic agent isolated from <i>Asimina longifolia</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6754 mL	8.3769 mL	16.7538 mL
5 mM	0.3351 mL	1.6754 mL	3.3508 mL
10 mM	0.1675 mL	0.8377 mL	1.6754 mL
50 mM	0.0335 mL	0.1675 mL	0.3351 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

Talactac MR, Yoshii K, Maeda H, Kusakisako K, Hernandez EP, Tsuji N, Fujisaki K, Galay RL, Tanaka T, Mochizuki M. Virucidal activity of Haemaphysalis longicornis longicin P4 peptide against tick-borne encephalitis virus surrogate Langat virus. *Parasit Vectors*. 2016 Feb 2;9:59. doi: 10.1186/s13071-016-1344-5. PubMed PMID: 26830840; PubMed Central PMCID: PMC4736483.

Tanaka T, Maeda H, Matsuo T, Boldbattar D, Umemiya-Shirafuji R, Kume A, Suzuki H, Xuan X, Tsuji N, Fujisaki K. Parasiticidal activity of Haemaphysalis longicornis longicin P4 peptide against *Toxoplasma gondii*. *Peptides*. 2012 Mar;34(1):242-50. doi: 10.1016/j.peptides.2011.07.027. Epub 2011 Aug 9. PubMed PMID: 21849158.

Tsuji N, Battsetseg B, Boldbaatar D, Miyoshi T, Xuan X, Oliver JH Jr, Fujisaki K. Babesial vector tick defensin against *Babesia* sp. parasites. *Infect Immun*. 2007 Jul;75(7):3633-40. Epub 2007 May 7. PubMed PMID: 17485458; PubMed Central PMCID: PMC1932947.

Galay RL, Maeda H, Aung KM, Umemiya-Shirafuji R, Xuan X, Igarashi I, Tsuji N, Tanaka T, Fujisaki K. Anti-babesial activity of a potent peptide fragment derived from longicin of *Haemaphysalis longicornis*. *Trop Anim Health Prod*. 2012 Feb;44(2):343-8. doi: 10.1007/s11250-011-0027-7. Epub 2011 Nov 20. PubMed PMID: 22102016.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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