

## Myristoyl tripeptide-1

## Chemical Properties

CAS No. : 748816-12-8

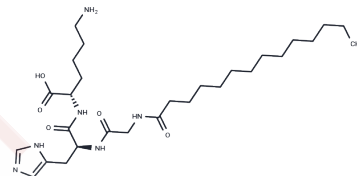
Formula: C<sub>28</sub>H<sub>50</sub>N<sub>6</sub>O<sub>5</sub>

Molecular Weight: 550.73

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

Myristoyl tripeptide-1 is a peptide.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8158 mL	9.0789 mL	18.1577 mL
5 mM	0.3632 mL	1.8158 mL	3.6315 mL
10 mM	0.1816 mL	0.9079 mL	1.8158 mL
50 mM	0.0363 mL	0.1816 mL	0.3632 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

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- Jones JW, Lue L, Saiani A, Tiddy GJ. Density, DSC, X-ray and NMR measurements through the gel and lamellar phase transitions of 1-myristoyl-2-stearoyl-sn-glycero-3-phosphatidylcholine (MSPC) and 1-stearoyl-2-myristoyl-sn-glycero-3-phosphatidylcholine (SMPC): observation of slow relaxation processes and mechanisms of phase transitions. *Phys Chem Chem Phys*. 2012 Apr 28;14(16):5452-69. doi: 10.1039/c2cp23136k. Epub 2012 Mar 13. PubMed PMID: 22414900.
- Colquhoun DR, Lyashkov AE, Ubaida Mohien C, Aquino VN, Bullock BT, Dinglasan RR, Agnew BJ, Graham DR. Bioorthogonal mimetics of palmitoyl-CoA and myristoyl-CoA and their subsequent isolation by click chemistry and characterization by mass spectrometry reveal novel acylated host-proteins modified by HIV-1 infection. *Proteomics*. 2015 Jun;15(12):2066-77. doi: 10.1002/pmic.201500063. Epub 2015 May 26. PubMed PMID: 25914232.
- Vlach J, Saad JS. Trio engagement via plasma membrane phospholipids and the myristoyl moiety governs HIV-1 matrix binding to bilayers. *Proc Natl Acad Sci U S A*. 2013 Feb 26;110(9):3525-30. doi: 10.1073/pnas.1216655110. Epub 2013 Feb 11. PubMed PMID: 23401539; PubMed Central PMCID: PMC3587261.

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