

Acetyl tetrapeptide-2

Chemical Properties

CAS No. : 757942-88-4

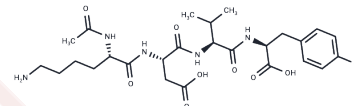
Formula: C₂₆H₃₉N₅O₉

Molecular Weight: 565.62

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	Acetyl tetrapeptide-2 is a skin conditioner, by soothing and nourishing the skin through similar mechanisms as other peptides.
Targets(IC50)	TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.768 mL	8.8399 mL	17.6797 mL
5 mM	0.3536 mL	1.768 mL	3.5359 mL
10 mM	0.1768 mL	0.884 mL	1.768 mL
50 mM	0.0354 mL	0.1768 mL	0.3536 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

- Raters M, Elsinghorst PW, Goetze S, Dingel A, Matissek R. Determination of 2-Methylimidazole, 4-Methylimidazole, and 2-Acetyl-4-(1,2,3,4-tetrahydroxybutyl)imidazole in Licorice Using High-Performance Liquid Chromatography-Tandem Mass Spectrometry Stable-Isotope Dilution Analysis. *J Agric Food Chem*. 2015 Jul 1;63(25):5930-4. doi: 10.1021/acs.jafc.5b01493. Epub 2015 Jun 22. PubMed PMID: 26073294.
- Rodriguez AA, Cedillo I, Mowery BP, Gaus HJ, Krishnamoorthy SS, McPherson AK. Formation of the N(2)-acetyl-2,6-diaminopurine oligonucleotide impurity caused by acetyl capping. *Bioorg Med Chem Lett*. 2014 Aug 1;24(15):3243-6. doi: 10.1016/j.bmcl.2014.06.025. Epub 2014 Jun 18. PubMed PMID: 24980055.
- Dierkes G, Weiss T, Modick H, Käfferlein HU, Brüning T, Koch HM. N-Acetyl-4-aminophenol (paracetamol), N-acetyl-2-aminophenol and acetanilide in urine samples from the general population, individuals exposed to aniline and paracetamol users. *Int J Hyg Environ Health*. 2014 Apr-May;217(4-5):592-9. doi: 10.1016/j.ijheh.2013.11.005. Epub 2013 Dec 6. PubMed PMID: 24370547.
- Deblander J, Van Aeken S, Adams A, De Kimpe N, Abbaspour Tehrani K. New short and general synthesis of three key Maillard flavour compounds: 2-Acetyl-1-pyrroline, 6-acetyl-1,2,3,4-tetrahydropyridine and 5-acetyl-2,3-dihydro-4H-1,4-thiazine. *Food Chem*. 2015 Feb 1;168:327-31. doi: 10.1016/j.foodchem.2014.07.088. Epub 2014 Jul 23. PubMed PMID: 25172717.

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