

Hexyl decanoate

Chemical Properties

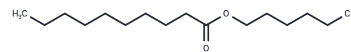
CAS No. : 10448-26-7

Formula: C₁₆H₃₂O₂

Molecular Weight: 256.42

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	Hexyl decanoate, the first trail pheromone compound identified in a stingless bee, <i>Trigona recursa</i> . Hexyl decanoate is dominant component of gland secretions.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8999 mL	19.4993 mL	38.9985 mL
5 mM	0.780 mL	3.8999 mL	7.7997 mL
10 mM	0.390 mL	1.9499 mL	3.8999 mL
50 mM	0.078 mL	0.390 mL	0.780 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

- Balaguera-López HE, Espinal-Ruiz M, Zacarías L, Herrera AO. Effect of ethylene and 1-methylcyclopropene on the postharvest behavior of cape gooseberry fruits (*Physalis peruviana* L.). *Food Sci Technol Int.* 2017 Jan;23(1):86-96. Epub 2016 Jul 19. PubMed PMID: 27440155.
- Asada R, Kageyama K, Tanaka H, Kimura M, Saitoh Y, Miwa N. Carcinostatic effects of diverse ascorbate derivatives in comparison with aliphatic chain moiety structures: Promotion by combined hyperthermia and reduced cytotoxicity to normal cells. *Oncol Lett.* 2012 May;3(5):1042-1046. Epub 2012 Feb 22. PubMed PMID: 22783388; PubMed Central PMCID: PMC3389623.
- de Barros DP, Fonseca LP, Cabral JM, Weiss CK, Landfester K. Synthesis of alkyl esters by cutinase in miniemulsion and organic solvent media. *Biotechnol J.* 2009 May;4(5):674-83. doi: 10.1002/biot.200800294. PubMed PMID: 19418474.
- Barth FG, Hrnčir M, Jarau S. Signals and cues in the recruitment behavior of stingless bees (*Meliponini*). *J Comp Physiol A Neuroethol Sens Neural Behav Physiol.* 2008 Apr;194(4):313-27. doi: 10.1007/s00359-008-0321-7. Epub 2008 Mar 19. Review. PubMed PMID: 18350303.

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