

Butyl hexadecanoate

Chemical Properties

CAS No. : 111-06-8

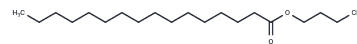
Formula: C₂₀H₄₀O₂

Molecular Weight: 312.53

Store under nitrogen

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Butyl hexadecanoate is a substance found in Vietnamese, Laotian, and Cambodian agarwood cigarettes.
Targets(IC50)	Others
In vitro	Butyl hexadecanoate is a hexadecanoate ester that plays a role in animal metabolites, plant metabolites, and as an insect repellent.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1997 mL	15.9985 mL	31.9969 mL
5 mM	0.6399 mL	3.1997 mL	6.3994 mL
10 mM	0.320 mL	1.5998 mL	3.1997 mL
50 mM	0.064 mL	0.320 mL	0.6399 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

Demir-Ordu, Ö. Synthesis and organogelation properties of bis-carbamate compounds bearing spacers with a stereogenic center. J Sol-Gel Sci Technol 105, 291-303 (2023).

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