

## N-Butyl stearate

## Chemical Properties

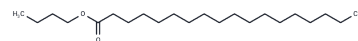
CAS No. : 123-95-5

Formula: C<sub>22</sub>H<sub>44</sub>O<sub>2</sub>

Molecular Weight: 340.58

Storage: Store at 4°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	N-Butyl stearate (NSC-4820, Stearic acid butyl ester) is an oily organic reagent that is an excellent PVC internal lubricant for organic synthesis.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 5 mg/mL (14.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9362 mL	14.6808 mL	29.3617 mL
5 mM	0.5872 mL	2.9362 mL	5.8723 mL
10 mM	0.2936 mL	1.4681 mL	2.9362 mL
50 mM	0.0587 mL	0.2936 mL	0.5872 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

- Carr AL, et al. Evidence of female sex pheromones and characterization of the cuticular lipids of unfed, adult male versus female blacklegged ticks, *Ixodes scapularis*. *Exp Appl Acarol*. 2016 Apr;68(4):519-38.
- Tshilanda DD, et al. Antisickling activity of butyl stearate isolated from *Ocimum basilicum* (Lamiaceae). *Asian Pac J Trop Biomed*. 2014 May;4(5):393-8.
- Gołębiowski M, et al. Identification and antifungal activity of novel organic compounds found in cuticular and internal lipids of medically important flies. *Microbiol Res*. 2015 Jan;170:213-22.
- Ma Y, et al. The effect of different soft segments on the formation and properties of binary core microencapsulated phase change materials with polyurea/polyurethane double shell. *J Colloid Interface Sci*. 2013 Feb 15;392:407-414.

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