

Pentadecanal

Chemical Properties

CAS No. : 2765-11-9

Formula: C₁₅H₃₀O

Molecular Weight: 226.4

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	Pentadecanal exhibits inhibitory activity against <i>Klebsiella pneumoniae</i> and <i>Candida albicans</i> and is widely used in biochemistry experiments and drug synthesis research.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.417 mL	22.0848 mL	44.1696 mL
5 mM	0.8834 mL	4.417 mL	8.8339 mL
10 mM	0.4417 mL	2.2085 mL	4.417 mL
50 mM	0.0883 mL	0.4417 mL	0.8834 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

Ricciardelli A, et al. Pentadecanal inspired molecules as new anti-biofilm agents against *Staphylococcus epidermidis*. *Biofouling*. 2018 Nov;34(10):1110-1120.

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