

2-Butyldecanoic acid

Chemical Properties

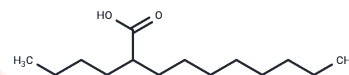
CAS No. : 52304-09-3

Formula: C₁₄H₂₈O₂

Molecular Weight: 228.37

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	2-Butyldecanoic acid has potential antibacterial and antiviral activity, with high activity against mosquito larvae.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3789 mL	21.8943 mL	43.7886 mL
5 mM	0.8758 mL	4.3789 mL	8.7577 mL
10 mM	0.4379 mL	2.1894 mL	4.3789 mL
50 mM	0.0876 mL	0.4379 mL	0.8758 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

Micich, T.J., Diamond, E.A., Bistline, R.G. et al. Sulfonated branched chain fatty acids and esters. J Am Oil Chem Soc 43, 539-541 (1966).

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