

## Palmitanilide

## Chemical Properties

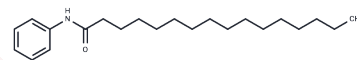
CAS No. : 6832-98-0

Formula: C<sub>22</sub>H<sub>37</sub>NO

Molecular Weight: 331.535

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	Palmitanilide (Palmitic acid anilide) is an antimicrobial agent effective against Gram-positive bacteria. It can electrostatically bind to components of the cell wall of Gram-positive bacteria (such as Bacillus cereus), altering the membrane structure and affecting normal cellular functions. Palmitanilide shows potential for research into infections caused by Gram-positive bacteria.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0162 mL	15.0811 mL	30.1623 mL
5 mM	0.6032 mL	3.0162 mL	6.0325 mL
10 mM	0.3016 mL	1.5081 mL	3.0162 mL
50 mM	0.0603 mL	0.3016 mL	0.6032 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.

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