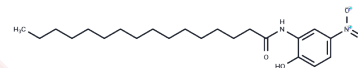


## 2'-Hydroxy-5'-nitrohexadecanamide

## Chemical Properties

CAS No. :	60301-87-3
Formula:	C <sub>22</sub> H <sub>36</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	392.53
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	2'-Hydroxy-5'-nitrohexadecanamide is an inhibitor of lysosomal hydrolase and a lipid containing pentadecanoic acid and a terminal nitrophenol group. It induces intracellular lipid accumulation by inhibiting the activity of lysosomal hydrolases. Additionally, 2'-Hydroxy-5'-nitrohexadecanamide can be used for synthesizing chromogenic substrates to assay sphingomyelinase activity.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5476 mL	12.7379 mL	25.4758 mL
5 mM	0.5095 mL	2.5476 mL	5.0952 mL
10 mM	0.2548 mL	1.2738 mL	2.5476 mL
50 mM	0.051 mL	0.2548 mL	0.5095 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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