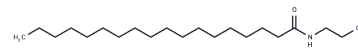


## Stearoylethanolamide

## Chemical Properties

CAS No. :	111-57-9
Formula:	C20H41NO2
Molecular Weight:	327.55
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	Stearoylethanolamide(N-(2-Hydroxyethyl)octadecanamide) is a cannabinoid compound present in the brains of humans, rats, and mice with pro-apoptotic activity.
Targets(IC50)	Apoptosis,Endogenous Metabolite
In vitro	Present in human, rat, and mouse brain in amounts comparable to the endocannabinoid anandamide (arachidonylethanolamide; AEA), stearoylethanolamide (SEA) is an endocannabinoid-like compound with pro-apoptotic activity. Its regulation by NO is reported to be in a manner opposite to that observed for AEA[1].

## Solubility Information

Solubility	Ethanol: 10 mg/mL (30.53 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.053 mL	15.2648 mL	30.5297 mL
5 mM	0.6106 mL	3.053 mL	6.1059 mL
10 mM	0.3053 mL	1.5265 mL	3.053 mL
50 mM	0.0611 mL	0.3053 mL	0.6106 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

Maccarrone M, et al. Binding, degradation and apoptotic activity of stearyl ethanolamide in rat C6 glioma cells. Biochem J. 2002 Aug 15;366(Pt 1):137-44.

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