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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

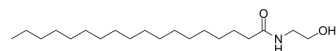
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Stearoylethanolamide

Cat. No.:	HY-113015		
CAS No.:	111-57-9		
Molecular Formula:	C ₂₀ H ₄₁ NO ₂		
Molecular Weight:	327.55		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (101.76 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0530 mL	15.2648 mL	30.5297 mL
		5 mM		0.6106 mL	3.0530 mL	6.1059 mL
10 mM		0.3053 mL	1.5265 mL	3.0530 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (7.63 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.63 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Stearoylethanolamide is an endocannabinoid-like compound with pro-apoptotic activity.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Stearoylethanolamide (SEA) is present in human, rat and mouse brain in amounts comparable with those of the endocannabinoid anandamide (arachidonylethanolamide; AEA). Stearoylethanolamide is an endocannabinoid-like compound with pro-apoptotic activity, which is regulated by NO in a way opposite to that reported for AEA ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA