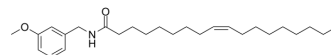


N-(3-Methoxybenzyl)oleamide

Cat. No.:	HY-N6923
CAS No.:	883715-21-7
Molecular Formula:	C ₂₆ H ₄₃ NO ₂
Molecular Weight:	401.63
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (124.49 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4899 mL	12.4493 mL	24.8985 mL
				5 mM	0.4980 mL	2.4899 mL	4.9797 mL
				10 mM	0.2490 mL	1.2449 mL	2.4899 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 (6.22 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.22 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.22 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	N-(3-Methoxybenzyl)oleamide (MAC 18:1) is an individual macamide. N-(3-Methoxybenzyl)oleamide can be isolated from <i>Lepidium meyenii</i> (maca) ^[1] .
-------------	--

REFERENCES

[1]. Singh N, et al. N-Benzyl-linoleamide, a Constituent of *Lepidium meyenii* (Maca), Is an Orally Bioavailable Soluble Epoxide Hydrolase Inhibitor That Alleviates Inflammatory Pain. *J Nat Prod.* 2020 Dec 24;83(12):3689-3697.

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