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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Oleamide

Endogenous Sleep-inducing Lipid
Catalog No. SIH-627



Discovery through Partnership | Excellence through Quality

Product Name

Oleamide

Description

Endogenous Sleep-inducing Lipid

Purity

>99% (TLC); NMR (Conforms)

CAS No.

301-02-0

Molecular Formula

$C_{18}H_{35}NO$

Molecular Weight

281.5

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

May be dissolved in DMSO (25 mg/ml); or Ethanol (40 mg/ml)

Source

Synthetic

Appearance

White to off-white powder

SMILES

CCCCCCCCC=CCCCCCCCC(=O)N

InChI

InChI=1S/C18H35NO/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18(19)20/h9-10H,2-8,11-17H2,1H3,(H2,19,20)/b10-9-

InChIKey

FATBGEAMYMYZAF-KTKRTIGZSA-N

Safety Phrases

Classification: Warning

GHS Hazard Statements,: H315, H317, H319, H335, H413

Precautionary Statement Codes,: P261, P264, P264+P265, P271, P272, P273, P280, P302+P352, P304+P340, P305+P351+P338, P319, P321, P332+P317, P333+P317, P337+P317, P362+P364, P403+P233, P405, and P501

Cite This Product

Oleamide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-627)

Biological Description

Alternative Names

9Z-Octadecenamide; cis-9-Octadecenamide; Oleic acid amide

Research Areas

Neuroscience, Neurotransmission, Neurotransmitter Receptors

PubChem ID

5283387

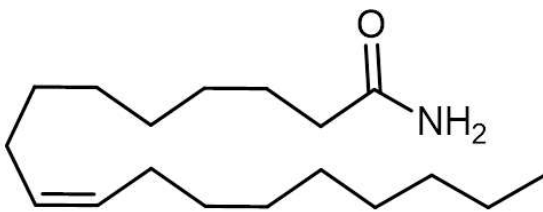
Scientific Background

Originally identified in the cerebrospinal fluid of sleep-deprived cats acting as an inducer of physiological sleep in animals (1). Displays agonist activity at cannabinoid CB1 receptors ($K_i=8.13 \mu\text{M}$) (2). Activates PPAR γ (3). Produces vasodilator effects in rats (4). Displays neuroprotective effects (5) and attenuates sepsis-induced intestinal injury (6).

References

- 1.,DL Boger et al. 1998 Curr. Pharm. Des. 4:303.
- 2.,JD Leggett et al. 2004 Br. J. Pharmacol. 141:253.
- 3.,M Dionisi et al. 2012 Lipids Health Dis. 11:51.
- 4.,C Hernandez-Diaz et al. 2020 Cannabis Cannabinoid Res. 5:42.
- 5.,M Maya-Lopez et al. 2020 Neurotox. Res. 37:126.
- 6.,Z Zou et al. Mediators Inflamm. 2019 2019:7854389 (eCollection 2019).

Product Images



Chemical structure of Oleamide (SIH-627), a Endogenous Sleep-inducing Lipid. CAS #: 301-02-0. Molecular Formula: C₁₈H₃₅NO. Molecular Weight: 281.5 g/mol.

Product Citations

Reviews

There are no reviews yet.