

Oleamide, Endogenous sleep inducing lipid

Catalog	Unit
TBI2923-50MG	50 mg
TBI2923-250MG	250 mg

Product Details

Formal Name: 9Z-Octadecenamide

Alternate Names: Oleic acid amide; cis-9-Octadecenamide

Molecular Formula: C₁₈H₃₅NO

Formula Weight: 281.50

CAS Number: 301-02-0

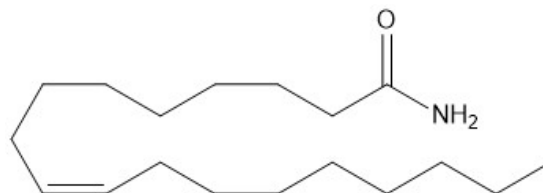
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 40 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Endogenous sleep inducing lipid

Functions

Originally identified in the cerebrospinal fluid of sleep-deprived cats acting as an inducer of physiological sleep in animals. Displays agonist activity at cannabinoid CB1 receptors (K_i=8.13 μM). Activates PPARγ. Produces vasodilator effects in rats. Displays neuroprotective effects and attenuates sepsis-induced intestinal injury.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.