

Catalog	Unit
TBI4617-100MG	100 mg
TBI4617-500MG	500 mg

Product Details

Formal Name: Cis-13-Docosenamide

Molecular Formula: C₂₂H₄₃NO

Formula Weight: 337.58

CAS Number: 112-84-5

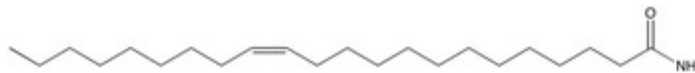
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 40 mg/ml) and in water (up to at least 25 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Endogenous lipid with antidepressant and anxiolytic effects

Functions

Erucamide is an endogenous fatty acid amide. It was able to ameliorate depression and anxiety-like behaviors in several mouse models. Significantly lowered levels of circulating adrenocorticotrophic hormone (ACTH) and corticosterone (CORT) suggesting a mechanism of action involving modulation of the hypothalamus-pituitary-adrenal axis.

Application Procedures

First dissolved in DMSO (up to at least 40 mg/ml) and in water (up to at least 25 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.