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.

1) Li et al. (2017), Antidepressant and anxiolytic-like behavioral effects of erucamide, a bioactive fatty acid amide, involving the hypothalamus-pituitary-adrenal axis in mice; Neurosci.Lett. 640 6

**PHYSICAL DATA**

Molecular Weight: 337.58  
Molecular Formula: C_{22}H_{43}NO  
Purity: >97% by TLC  
NMR: (Conforms)  
Solubility: DMSO (>40 mg/mL) and water (>25 mg/mL with warming)  
Physical Description: Off-white solid  
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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