

N-Eicosanoyl serotonin, Neuroprotective

Catalog	Unit
TBI3631-10MG	10 mg
TBI3631-50MG	50 mg

Product Details

Formal Name: Eicosanoyl-5-hydroxytryptamide

Alternate Names: Eicosanoyl serotonin, EHT

Molecular Formula: C₃₀H₅₀N₂O₂

Formula Weight: 470.73

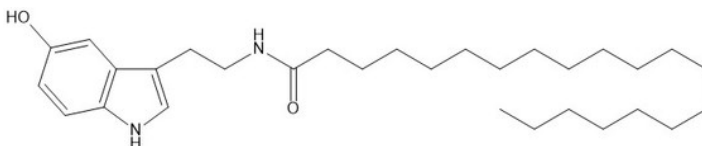
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (30 mg/ml) or Ethanol (20 mg/ml with warming)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Neuroprotective

Functions

N-Eicosanoyl serotonin is a natural product found in coffee which synergizes with caffeine in protecting the brain in models of α -synucleinopathy. It inhibits the PP2A methyltransferase maintaining PP2A in a highly active state leading to hypophosphorylated α -synuclein. In mouse models it preserved neuronal integrity and function, diminished neuroinflammation and improved behavioral performance. It prevents A β -induced impairments in mouse models of Alzheimer's disease.

Application Procedures

First dissolved in DMSO (30 mg/ml) or Ethanol (20 mg/ml with warming), 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.