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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Eicosanoyl-5-hydroxytyptamide

A neuroprotective natural product found in coffee
Catalog No. SIH-615



Discovery through Partnership | Excellence through Quality

Product Name

Eicosanoyl-5-hydroxytyptamide

Description

A neuroprotective natural product found in coffee

Purity

>98% (TLC); NMR (Conforms)

CAS No.

N/A

Molecular Formula

$C_{30}H_{50}N_2O_2$

Molecular Weight

470.7

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

Inhibitor

Solubility

May be dissolved in DMSO (30 mg/ml); or ethanol (20 mg/ml, warm)

Source

Synthetic

Appearance

Beige powder

Safety Phrases

Classification: Caution- Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Cite This Product

Eicosanoyl-5-hydroxytryptamide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-615)

Biological Description

Alternative Names

Eicosanoyl serotonin; Eicosanoyl-5-hydroxytryptamide; EHT

Research Areas

Alzheimer's Disease, Neurodegeneration, Neuroscience, Synuclein, Tangles & Tau

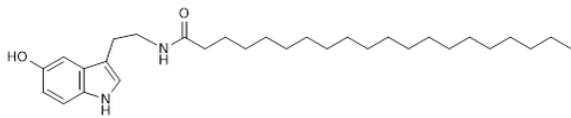
Scientific Background

A natural product found in coffee which synergizes with caffeine in protecting the brain in models of alpha-synucleinopathy (1). It inhibits the PP2A methylesterase maintaining PP2A in a highly active state leading to hypophosphorylated alpha-synuclein. In mouse models it preserved neuronal integrity and function, diminished neuroinflammation and improved behavioral performance. It prevents ABeta-induced impairments in mouse models of Alzheimer's disease (2,3).

References

1. Yan R., et al. (2018) Proc. Natl. Acad. Sci. USA . 115:E12053
2. Asam K., et al. (2017) PLoS One. 12:e0189413
3. Basurto-Islas G., et al. (2014) Neurobiol. Aging. 35:2701

Product Images



Chemical structure of Eicosanoyl-5-hydroxytyptamide (SIH-615), a A neuroprotective natural product found in coffee. CAS #: N/A. Molecular Formula: C₃₀H₅₀N₂O₂ . Molecular Weight: 470.7 g/mol.

Product Citations

Reviews

There are no reviews yet.