
Product Data Sheet

Product Name: Cannabisin F
Cat. No.: GC62886

Chemical Properties

Cas. No. 163136-19-4

Formula $C_{36}H_{36}N_2O_8$ M.Wt 624.68

Solubility Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Cannabisin F is a SIRT1 modulator. Cannabisin F, as a hempseed lignanamide, can be used for the research of anti-inflammatory and anti-oxidative. Cannabisin F may be a potential agent of neurodegenerative diseases as modulators of SIRT1/NF- κ B and Nrf2[1].

Cannabisin F (0~15 μ M; 1 hour; BV2 microglia cells) inhibits the phosphorylation of I κ B α , p65, but enhances the expression of Nrf2 and HO-1[1]. Cannabisin F (0~15 μ M; 24 hours; BV2 microglia cells) has no significant effect on cell survival, inhibits IL-6 and TNF- α production and their mRNA expression, inhibits the production of ROS and increases the expression of SIRT1[1].

[1]. Wang S, et al. Cannabisin F from Hemp (*Cannabis sativa*) Seed Suppresses Lipopolysaccharide-Induced Inflammatory Responses in BV2 Microglia as SIRT1 Modulator. *Int J Mol Sci.* 2019;20(3):507. Published 2019 Jan 25.

Caution: Product has not been fully validated for medical applications. For research use only.

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