

C8-Ceramide, Protein kinase activator

Catalog	Unit
TBI4301-5MG	5 mg
TBI4301-25MG	25 mg

Product Details

Formal Name: N-Octanoyl-D-erythro-sphingosine

Molecular Formula: C₂₆H₅₁NO₃

Formula Weight: 425.69

CAS Number: 74713-59-0

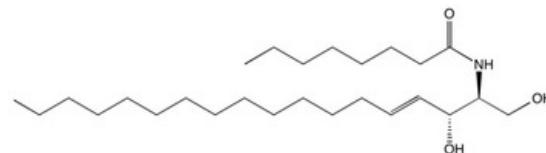
Purity: >95%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Protein kinase activator

Functions

Cell permeable ceramide analog. Stimulates ceramide-activated protein kinase. Induces apoptosis. Reported to inhibit apoptosis and gap junction intercellular communication (GJIC) in rat liver epithelial cells. Induces the secretion of brain-derived neurotrophic factor (BDNF) from microglia in vitro.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.