

N,N-Dimethylsphingosine, Sphingosine kinase inhibitor

Catalog	Unit
TBI2285-5MG	5 mg
TBI2285-25MG	25 mg

Product Details

Formal Name: (2S,3R,E)-2-(Dimethylamino)octadeca-4-ene-1,3-diol

Molecular Formula: C₂₀H₄₁NO₂

Formula Weight: 327.56

CAS Number: 119567-63-4

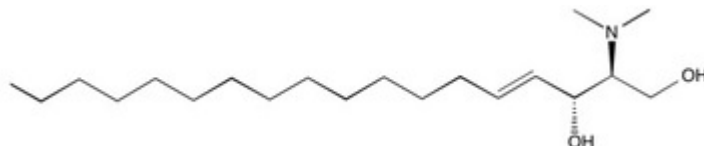
Purity: >98%

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

Sphingosine kinase inhibitor

Functions

Synthetic derivative of D-erythro-sphingosine (synthetic). Endogenous sphingolipid. Inhibits sphingosine kinase (IC₅₀ = 5 μM). Induces apoptosis in a variety of cell lines.

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 may be stored at -20° for up to 3 months.

For research use only.