

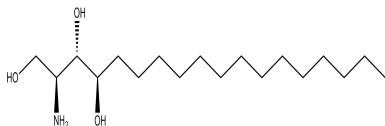
PRODUCT: Phytosphingosine

ALTERNATE NAME: 4-Hydroxysphinganine, D-Ribo-1,3,4-trihydroxy-2-amino-octadecane, D-Ribo-2-amino-octadecane-1,3,4-triol, PHS

CATALOG #: 2426-50, 250

AMOUNT: 50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₃₉NO₃

MOLECULAR WEIGHT: 317.51

CAS NUMBER: 554-62-1

APPEARANCE: White solid

SOLUBILITY: EtOH (~ 2 mg/ml)

PURITY: ≥98% by TLC

STORAGE: At -20° C. Protect from air and moisture

DESCRIPTION: Phytosphingosine is a phospholipid structurally similar to Sphingosine (Cat. No. 2425). The physiological roles of phytosphingosine are largely unknown. Phytosphingosine induces apoptosis in human T-cell lymphoma and non-small cell lung cancer cells, and induces caspase-independent cytochrome c release from mitochondria. In the presence of caspase inhibitors, phytosphingosine-induced apoptosis is almost completely suppressed, suggesting that phytosphingosine-induced apoptosis is largely dependent on caspase activities.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

C2 Ceramide (Cat. No. 2390-5, 25)

Sphingosine Kinase Inhibitor, SKI-I (Cat. No. 2046-5, 25)

Sphingosine Kinase Inhibitor, SKI-II (Cat. No. 2047-5, 25)

Sphingosine Kinase 1 Antibody (Cat. No. 3883-100)

Sphingosine Kinase 2 Antibody (Cat. No. 3884-100)

D-erythro-Sphingosine (Cat. No. 2425-5, 25)

PhosphoSeek™ Sphingosine Kinase Assay kit (Cat. No. K708-400)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*