

C22 dihydro 1-Deoxyceramide (m18:0/22:0) Biochemical

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CATALOG #
AAA227398

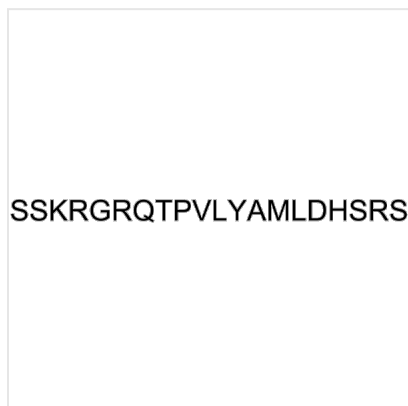
PRODUCT SYNONYMS

C22 dihydro 1-Deoxyceramide (m18:0/22:0); C22 dihydro 1-Deoxyceramide (m18:0/22:0) biochemical

PRODUCT SPECIFICATIONS

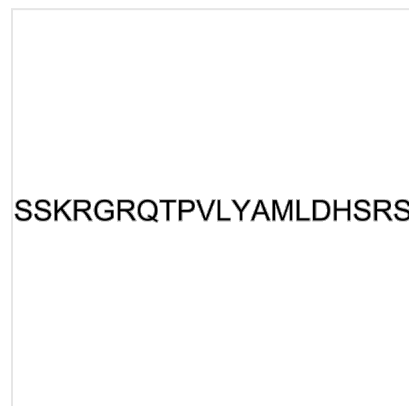
Purity/Purification	98%
Solubility	Ethanol: 30 mg/mL
	DMF: 20 mg/mL
	DMSO: 20 mg/mL
	Ethanol:PBS (pH 7.2)(1:1): 0.5 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Peripheral Myelin P0 Protein (180-199), mouse, CAS 147450-30-4



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ADDITIONAL INFORMATION

Related Product Information for C22 dihydro 1-Deoxyceramide (m18:0/22:0) biochemical

C22 dihydro 1-Deoxyceramide (m18:0/22:0) is a very long-chain atypical ceramide containing a 1-deoxysphinganine backbone. 1-Deoxysphingolipids are formed when serine palmitoyltransferase condenses palmitoyl-CoA with alanine instead of serine during sphingolipid synthesis.^{1,2} C22 dihydro 1-Deoxyceramide (m18:0/22:0) has been found in mouse embryonic fibroblasts (MEFs) following application of 1-deoxysphinganine alkyne or 1-deoxysphinganine-d3.³ It has also been found as the most prevalent dihydro deoxyceramide species in mouse brain, spinal cord, and sciatic nerve at one, three, and six months of age.⁴

References

1. Lei Bao, et al. The critical role of IL-12p40 in initiating, enhancing, and perpetuating pathogenic events in murine experimental autoimmune neuritis. Brain Pathol. 2002 Oct;12(4):420-9.
2. L P Zou, et al. P0 protein peptide 180-199 together with pertussis toxin induces experimental autoimmune neuritis in resistant C57BL/6 mice. J Neurosci Res. 2000 Dec 1;62(5):717-21.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/c22-dihydro-1-deoxyceramide-m180-220/227398>