

FBBBE biochemical

FBBBE

CATALOG #
AAA227386

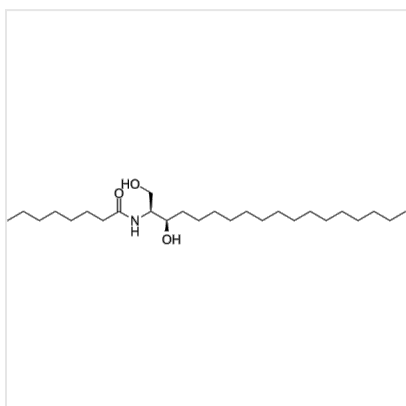
PRODUCT SYNONYMS

FBBBE; FBBBE biochemical

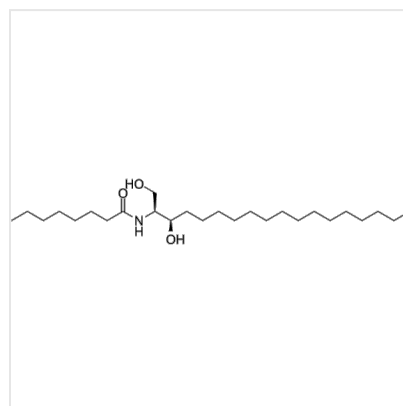
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 30 mg/mL DMSO: 25 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
C8 Dihydroceramide, CAS 145774-33-0



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ADDITIONAL INFORMATION

Related Product Information for FBBBE biochemical	FBBBE is a derivatized fluorescein compound that is used to detect the production hydrogen peroxide (H ₂ O ₂) by cells. Intracellular H ₂ O ₂ , but not extracellular H ₂ O ₂ , initiates the conversion of FBBBE to fluorescein, resulting in an increase in intracellular fluorescence (excitation/emission maxima: 480/512 nm).
References	1. Rebeca López-Marure, et al. Ceramide promotes the death of human cervical tumor cells in the absence of biochemical and morphological markers of apoptosis. <i>Biochem Biophys Res Commun</i>. 2002 May 10;293(3):1028-36. 2. Yuli C. Chang, et al. Exogenous C8-Ceramide Induces Apoptosis by Overproduction of ROS and the Switch of Superoxide Dismutases SOD1 to SOD2 in Human Lung Cancer Cells. <i>Int J Mol Sci</i>. 2018 Oct; 19(10): 3010. 3. H W Huang, et al. Ceramides modulate protein kinase C activity and perturb the structure of Phosphatidylcholine/Phosphatidylserine bilayers. <i>Biophys J</i>. 1999 Sep; 77(3): 1489-1497. 4. Lan Weiss, et al. Ceramide contributes to pathogenesis and may be targeted for therapy in VCP inclusion body myopathy. <i>Hum Mol Genet</i>. 2021 Jan 7;ddaa248.

NCBI AND UNIPROT INFORMATION

Molecular Weight	427.714
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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://www.aaabiotech.com/biochemical/fbbbe/227386>