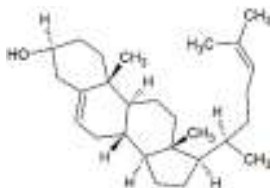


Desmosterol

ALTERNATE NAME: 24-dehydro Cholesterol
(3 β)-cholesta-5,24-dien-3-ol

CATALOG #: B2784-1 1 mg
B2784-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₄₄O

MOLECULAR WEIGHT: 384.64

CAS NUMBER: 313-04-2

APPEARANCE: Crystalline solid

PURITY: \geq 98%

SOLUBILITY: ~0.25 mg/ml Ethanol

DESCRIPTION: Desmosterol is a C27 sterol intermediate in cholesterol synthesis generated during the metabolic pathway that transforms lanosterol into cholesterol. It may be associated with the pathogenesis of Alzheimer's disease (AD). It has also been used to suppress nigericin-induced sterol regulatory element-binding proteins 2 (SREBP2) maturation. Desmosterol has been reported to activate liver X receptor-target genes in both the liver of cholesterol-free mice and in cholesterol-starved macrophage foam cells in atherosclerotic lesions.

STORAGE TEMPERATURE: -20°C. Protect from moisture

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

RELATED PRODUCTS:

SREBP1 Antibody (3961)
27-Hydroxycholesterol (B2988)
LXR-623 (B2454)
SR9243 (9642)
Posaconazole (9526)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*