27-Hydroxycholesterol

Cholesterol metabolite linked to breast cancer, neurodegenerative disease, and metabolism

27-Hydroxycholesterol (27-HC) is a metabolite resulting from the action of sterol 27-Hydroxylase on cholesterol. It is an endogenous selective estrogen receptor modulator and ligand for the liver X receptor (LXR). 27-Hydroxycholesterol plays a role in Alzheimer's disease, oxidative stress, metabolism, cell-signaling, and heart disease.

Citations: 10 View Online »

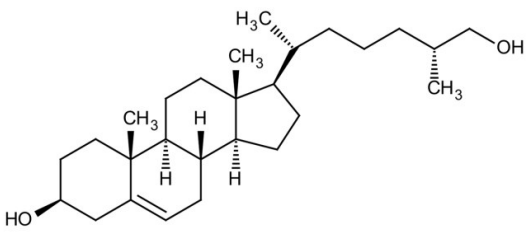
Ordering Information

Order Online »

ENZ-CHM102-0001	1mg
ENZ-CHM102-0005	5mg

Manuals, SDS & CofA

View Online »


H3C
CH3
OH
CH3
CH3
H
H
H
HO

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable, as supplied, for 2 years. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5,25R-□Cholest□en-□3β,□26-□diol, (25R)-26-Hydroxycholesterol
Appearance	White solid.
CAS	20380-11-4
Formula	$C_{27}H_{46}O_2$
MW	402.7
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (up to 10 mg/ml with warming) or in ethanol (up to 10 mg/ml). Insoluble in water.

Last modified: May 29, 2024

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