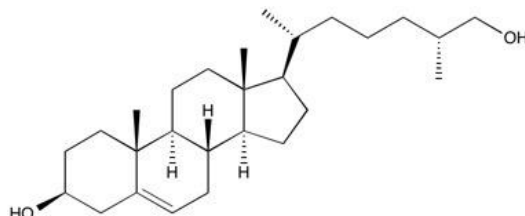


27-Hydroxycholesterol, Cholesterol metabolite

Catalog	Unit
TBI4536 - 1MG	1 mg
TBI4536 - 5MG	5 mg

Product Details

Formal Name: 5,25R-Cholesten-3 β ,26-diol
Molecular Formula: C₂₇H₄₆O₂
Formula Weight: 402.66
CAS Number: 20380-11-4
Purity: >98%
Formulation: Powder
Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml).
Storage: -20°C
Stability: \geq 2 years.



Applications

Cholesterol metabolite

Functions

27-Hydroxycholesterol (20380-11-4) is a metabolite resulting from the action of sterol 27-hydroxylase on cholesterol. Concentrations of 27-hydroxycholesterol are elevated in patients with Alzheimer's disease and mild cognitive impairment. Endogenous selective estrogen receptor modulator and ligand for the liver X receptor (EC_{50M} = 85nM for LXR7alpha; and 71nM for LXR β).

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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