

7 α -Hydroxycholesterol, Cholesterol metabolite

Catalog	Unit
TBI4538 - 1MG	1 mg
TBI4538 - 5MG	5 mg

Product Details

Formal Name: 5-Cholesten-3 β , 7 α -diol

Molecular Formula: C₂₇H₄₆O₂

Formula Weight: 402.66

CAS Number: 566-26-7

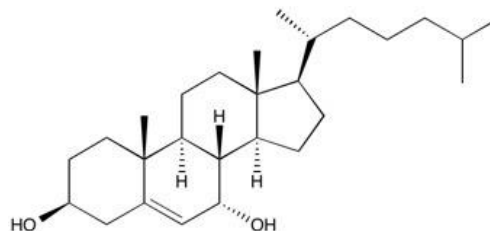
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO or in Ethanol.

Storage: -20°C

Stability: \geq 2 years.



Applications

Cholesterol metabolite

Functions

7 α -Hydroxycholesterol (566-26-7) is a metabolite resulting from the action of cholesterol 7 α -hydroxylase on cholesterol. 7 α -Hydroxycholesterol is the first intermediate and a rate limiting step in the major pathway for bile acid synthesis in humans. A pro-inflammatory mediator which upregulates production of CCL2 and MMP9 in macrophages and may promote progression of atherosclerosis. Possible biomarker for cellular lipid peroxidation.

Application Procedures

First dissolved in DMSO or in Ethanol, then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 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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