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## Product Datasheet

### 7alpha-Hydroxycholesterol FBM-10-4538

Article Name	7alpha-Hydroxycholesterol
Biozol Catalog Number	FBM-10-4538
Supplier Catalog Number	10-4538
Alternative Catalog Number	FBM-10-4538-1MG,FBM-10-4538-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Bile acid precursor...
Molecular Weight	402.66
Purity	98% by TLC [3:2 ethyl acetate : hexane, Rf = 0.15] NMR (Conforms)
Form	White or pale yellow solid
CAS Number	[566-26-7]
Formula	C27H46O2
Application Notes	Metabolite resulting from the action of cholesterol 7 alpha-hydroxylase on cholesterol. 7alpha-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. <sup>2,3</sup> Possible biomarker for cellular lipid peroxidation. <sup>4</sup>