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Product Datasheet

25-Hydroxycholesterol FBM-10-4539

Article Name	25-Hydroxycholesterol
Biozol Catalog Number	FBM-10-4539
Supplier Catalog Number	10-4539
Alternative Catalog Number	FBM-10-4539-5MG,FBM-10-4539-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Biologically active cholesterol metabolite...
Molecular Weight	402.66
Purity	98% by TLC, NMR (Conforms)
Form	White or pale yellow solid
CAS Number	[2140-46-7]
Formula	C ₂₇ H ₄₆ O ₂

Application Notes

Metabolite resulting from the action of cholesterol 25-hydroxylase on cholesterol. However, since cholesterol 25-hydroxylase knock-out mice still have significant levels of 25-hydroxycholesterol there must be alternate pathways of generation that have yet to be determined.¹ Likewise, the biological role of 25-hydroxycholesterol remains somewhat unclear. 25-Hydroxycholesterol is frequently mentioned as an important regulator of cholesterol metabolism, but apparently normal cholesterol regulation in organisms with both high and low levels of the compound make this association unclear. More recent reports have linked 25-hydroxycholesterol and one of its metabolites to immunoregulatory roles², but more information is needed before its clear if that is indeed a primary role for the compound.