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Product Datasheet

20(S)-Hydroxycholesterol FBM-10-4540

Article Name	20(S)-Hydroxycholesterol
Biozol Catalog Number	FBM-10-4540
Supplier Catalog Number	10-4540
Alternative Catalog Number	FBM-10-4540-1MG,FBM-10-4540-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Smoothened activator...
Molecular Weight	402.66
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[516-72-3]
Formula	C27H46O2
Application Notes	20-(S)-Hydroxycholesterol is an endogenous ligand for the LXR receptor. ¹ It has anti-adipogenic and pro-osteogenic effects in mesenchymal stem cells mediated via a non-LXR dependent pathway. ² The osteogenic effects of 20-(S)-hydroxycholesterol have been shown to be mediated by activation of hedgehog signaling and expression of genes associated with Notch signaling. ³ Activation of Hedgehog is mediated via binding of 20(S)-hydroxycholesterol to Smoothened at a site distinct from the cyclopamine binding site. ^{4,5}