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Product Datasheet

Geranylgeranoic acid, CAS [[35750-48-2]]
FBM-10-3337

Article Name	Geranylgeranoic acid, CAS [[35750-48-2]]
Biozol Catalog Number	FBM-10-3337
Supplier Catalog Number	10-3337
Alternative Catalog Number	FBM-10-3337-1MG, FBM-10-3337-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Bioactive Isoprenoid...
Molecular Weight	304.47
Purity	>96% TLC, Contains ~5% cis isomer NMR: (Conforms)
Form	Pale yellow liquid
CAS Number	[35750-48-2]
Formula	C20H32O2
Application Notes	Geranylgeranoic acid (35750-48-2)) is an acyclic retinoid that is found naturally occurring in several traditional herbal medicines.¹ Like many retinoids, geranylgeranoic acid plays a role in bone formation. It has been demonstrated to induce osteoblast differentiation and to inhibit osteoclast formation both in vitro and in vivo.² It has been shown to induce apoptosis in various cell lines including HuH-7, PLC/PRF-5 and MLE-101. Induces unfolded protein response in human hepatoma cells.³ It effectively inhibits methicillin-resistant Staphylococcus aureus adhesion to keratin, fibronectin, fibrinogen, and immunoglobulins offering a potentially new treatment for a difficult to treat bacteria.⁴