BIOZOL

Diagnostica Vertrieb GmbH, Oehleckerring 11-13

22419 Hamburg, Germany

Telephone: +49 (0)89 3799666-6 | **Fax:** +49 (0)89 3799666-99

E-Mail: info@biozol.de

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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