

Geranylgeraniol, Endogenous terpenoid lipid

Catalog	Unit
TBI2821-100MG	100 mg
TBI2821-500MG	500 mg

Product Details

Formal Name: all trans-3,7,11-15-Tetramethyl-2,6,10,14-hexadecatetraen-1-ol

Molecular Formula: C₂₀H₃₄O

Formula Weight: 290.50

CAS Number: 24034-73-9

Purity: >90%

Formulation: Pale yellow liquid

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.

Applications

Endogenous terpenoid lipid

Functions

Geranylgeraniol as its pyrophosphate is the precursor to the diterpene family of natural products. It is a precursor to geranylgeranoic acid via oxidation¹. Small GTPases such as Rac and Rho are geranylgeranylated which ensures proper subcellular localization via anchoring to cellular membranes². Occurs in numerous bioactive plant essential oils³.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer.

For research use only.