
Product Data Sheet

Product Name: LDL-IN-3
Cat. No.: GC31591

Chemical Properties

Cas. No. 180908-67-2

SMILES OC1=C(C(C)(C)C)C=C(OC[Si](C)(C2=CC=C(OC)C=C2)C)C=C1C(C)(C)C

Formula C₂₄H₃₆O₃Si M.Wt 400.63

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

LDL-IN-3 is an anti-atherosclerotic compound extracted from patent WO/2005/039596A1, example C25 and patent US 6133467, example 3.

LDL-IN-3 is antioxidant which inhibits low density lipoprotein (LDL) lipid peroxidation and is useful as anti-atherosclerotic agents[1][2].

LDL-IN-3 decreases serum cholesterol, TBARS and the amount of aortic lesions (57 %) in comparison with control rabbits. LDL-IN-3 is found in very high concentrations in the serum (182.4 µg/mL) and livers (323 µg/mL)[1][2].

[1]. WO/2005/039596A1 [2]. US 6133467

Caution: Product has not been fully validated for medical applications. For research use only.

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