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**Product Data Sheet**

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Product Name: Hydrocarbon chain derivative 1 (6,6'-Oxybis[2,2-dimethyl-1-hexanol])  
Cat. No.: GC31542

**Chemical Properties**

Cas. No. 300762-25-8

SMILES OCC(C)(C)CCCCOCCCC(C)(C)CO

Formula C<sub>16</sub>H<sub>34</sub>O<sub>3</sub> M.Wt 274.44

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**

Hydrocarbon chain derivative 1 is an active compound, with inhibitory activities against lipid synthesis.

Hydrocarbon chain derivative 1 is well tolerated with mild liver effects at 2000 mg/kg in rats[1]. Hydrocarbon chain derivative 1 shows inhibitory effect on lipid synthesis, with an IC50 of 11 μM[2].

[1]. Oniciu DC, et al. Influence of various central moieties on the hypolipidemic properties of long hydrocarbon chain diols and diacids. J Med Chem. 2006 Jan 12;49(1):334-48. [2]. Oniciu DC, et al. Long hydrocarbon chain diols and diacids with central ether or ketone moieties that favorably alter lipid disorders. Pharmazie. 2006 Feb;61(2):157-65.

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

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