

1,2,3-Triundecanoyl Glycerol

Chemical Properties

CAS No. : 13552-80-2

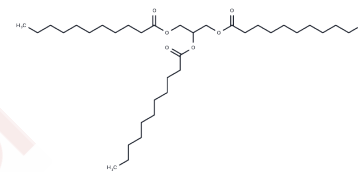
Formula: C₃₆H₆₈O₆

Molecular Weight: 596.92

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	1,2,3-Triundecanoyl Glycerol is a cosmetic-ready triglyceride with gluconeogenic and ketogenic capabilities that mobilizes large amounts of odd-chain fatty acids to maintain blood glucose levels in fasted rats and prevent the formation of ketosis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 8 mg/mL (13.4 mM),Sonication is recommended. DMF: 8 mg/mL (13.4 mM),Sonication is recommended. Ethanol: 8 mg/mL (13.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6753 mL	8.3763 mL	16.7527 mL
5 mM	0.3351 mL	1.6753 mL	3.3505 mL
10 mM	0.1675 mL	0.8376 mL	1.6753 mL
50 mM	0.0335 mL	0.1675 mL	0.3351 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pi-Sunyer FX, Conway JM, Lavau M, Campbell G, Eisenstein AB. Glucagon, insulin, and gluconeogenesis in fasted odd carbon fatty acid-enriched rats. Am J Physiol. 1976 Aug;231(2):366-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481