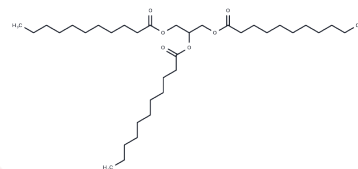


1,2,3-Triundecanoyl Glycerol

Chemical Properties

CAS No. :	13552-80-2
Formula:	C36H68O6
Molecular Weight:	596.934
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1,2,3-Triundecanoyl glycerol is a triacylglycerol that contains undecanoic acid at the sn-1, sn-2, and sn-3 positions. Dietary administration of a 7:3 (w/w) mixture of 1,2,3-triundecanoyl glycerol and corn oil prevents fasting-induced decreases in plasma glucose, alanine, and insulin levels, as well as the ratio of insulin to glucagon, in rats compared with dietary administration of corn oil alone. ¹
-------------	--

Solubility Information

Solubility	DMSO: 20 mg/mL DMF: 20 mg/mL Ethanol: 25 mg/mL (< 1 mg/mL refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6752 mL	8.3762 mL	16.7524 mL
5 mM	0.335 mL	1.6752 mL	3.3505 mL
10 mM	0.1675 mL	0.8376 mL	1.6752 mL
50 mM	0.0335 mL	0.1675 mL	0.335 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.

Reference

Pi-Sunyer, F.X., Conway, J.M., Lavau, M., et al. Glucagon, insulin, and gluconeogenesis in fasted odd carbon fatty acid-enriched rats. *Am. J. Physiol.* 231(2)366-369(1976)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481