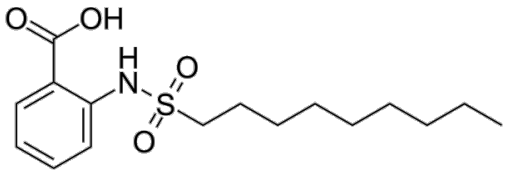
Product Data Sheet

Product Name: FSG67
Cat. No.: GC65176

Chemical Properties

Cas. No.	1158383-34-6		
Formula	C16H25NO4S	M.Wt	327.44
Solubility	DMSO : 100 mg/mL (305.40 mM; Need ultrasonic)	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

FSG67 is a glycerol 3-phosphate acyltransferase (GPAT) inhibitor with an IC50 of 24 μM[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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FSG67 reduces GSK3β phosphorylation and signaling after acetaminophen overdose[1].FSG67 results in a dose-dependent increase in oxidative metabolism in mature adipocytes with an IC50 of 27.7 ± 4.4 μM[2].

[1]. Clemens MM, et al. The inhibitor of glycerol 3-phosphate acyltransferase FSG67 blunts liver regeneration after acetaminophen overdose by altering GSK3β and Wnt/β-catenin signaling. Food Chem Toxicol. 2019 Mar;125:279-288. [2]. Reilly SM, et al. Catecholamines suppress fatty acid re-esterification and increase oxidation in white adipocytes via STAT3. Nat Metab. 2020 Jul;2(7):620-634.

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