

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

FSG67, CAS [[1158383-34-6]]

FBM-10-4577

Article Name	FSG67, CAS [[1158383-34-6]]
Biozol Catalog Number	FBM-10-4577
Supplier Catalog Number	10-4577
Alternative Catalog Number	FBM-10-4577-10MG,FBM-10-4577-50MG,FBM-10-4577-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GPAT inhibitor...
Molecular Weight	327.44
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1158383-34-6]
Formula	C16H25NO4S
Application Notes	FSG67 is an inhibitor of Glycerol 3-Phosphate Acyltransferase (GPAT), $IC_{50} = 24 \mu M$.¹ It was able to reduce food intake, decrease body weight and adiposity, enhance energy utilization as fatty acid oxidation, reverse hepatic steatosis, and enhance insulin sensitivity in diet-induced obese mice while showing no in vitro or in vivo toxicity.² FSG67 also caused decreased gene expression for orexigenic hypothalamic neuropeptides AgRP and NPY.² FSG67 increased FAOx in primary hypothalamic neurons (PHN) leading to an increase in ATP and inactivation of AMPK. Oxidative stress and indicators of ER stress were also reduced in PHN.³