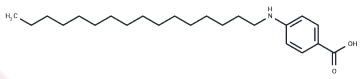
Data Sheet (Cat.No.T14933)

TargetMol

Cetaben

Chemical Properties



CAS No. : 55986-43-1

Formula: C23H39NO2

Molecular Weight: 361.56

Appearance: no data available

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

Biological Description

Description	Cetaben, a PPARα-independent peroxisome proliferator, is a non-fibrotic lipid-lowering drug that effectively reduces cholesterol and triglyceride concentrations.
Targets(IC50)	Others
In vitro	The administration of 10 μM Cetaben for 24 hours induces severe micromorphological and ultrastructural changes in HepG2 and MH1C1 cells. After the administration of 10 μM Cetaben for 24 hours, cells were characterized by a striking heterogeneity of the peroxisomal population with the occurrence of dumbbell-shaped and cup-shaped peroxisomal profiles in MH1C1cells. After administration with 100 μM cetaben, cells contained several Golgi regions, most of them disintegrated into vesicles[2].
In vivo	Administration of 50-100 mg/kg Cetaben for over 10 days shows an obvious rise in the activities of peroxisomal enzymes in both the liver and kidney. However, the maximal effect is observed at 250 mg/kg[1].

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7658 mL	13.829 mL	27.6579 mL
5 mM	0.5532 mL	2.7658 mL	5.5316 mL
10 mM	0.2766 mL	1.3829 mL	2.7658 mL
50 mM	0.0553 mL	0.2766 mL	0.5532 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

Chandoga J, et al. Cetaben and fibrates both influence the activities of peroxisomal enzymes in different ways. Biochem Pharmacol. 1994 Feb 9;47(3):515-9.
Kovacs W, et al. Cetaben-induced changes on the morphology and peroxisomal enzymes in MH1C1 rat hepatomacells and HepG2 human hepatoblastoma cells. Histochem Cell Biol. 2001 Jun;115(6):509-19.

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