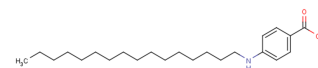


Cetaben

Chemical Properties

CAS No.:	55986-43-1
Formula:	C23H39NO2
Molecular Weight:	361.56
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Cetaben is a PPAR α -independent peroxisome proliferator and is a non-fibrate hypolipidemic drug. It potent reduces the concentration of cholesterol and triglycerides.
Targets(IC ₅₀)	Others: None
In vitro	Cetaben (10 μ M; 24 hours) induces severe micromorphological and ultrastructural changes in HepG2 and MH1C1 cells. Cetaben-treated (10 μ M; 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 MH1C1 cells. After treatment with 100 μ M cetaben, cells contained several Golgi regions, most of them disintegrated into vesicles [2].
In vivo	Cetaben (50-100 mg/kg, over 10 days) treatment shows an obvious rise in the activities of peroxisomal enzymes in both the liver and kidney. The maximal effect is observed at 250 mg/kg [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.766 mL	13.829 mL	27.658 mL
5 mM	0.553 mL	2.766 mL	5.532 mL
10 mM	0.277 mL	1.383 mL	2.766 mL
50 mM	0.055 mL	0.277 mL	0.553 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. 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.

Inhibitors · Natural Compounds · Compound Libraries

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