

## Cetaben

## Chemical Properties

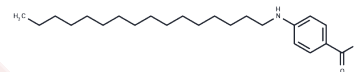
CAS No. : 55986-43-1

Formula: C<sub>23</sub>H<sub>39</sub>NO<sub>2</sub>

Molecular Weight: 361.56

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Cetaben, a PPAR $\alpha$ -independent peroxisome proliferator, is a non-fibrotic lipid-lowering drug that effectively reduces cholesterol and triglyceride concentrations.
Targets(IC50)	Others,PPAR
In vitro	The administration of 10 $\mu$ M Cetaben for 24 hours induces severe micromorphological and ultrastructural changes in HepG2 and MH1C1 cells. After the administration of 10 $\mu$ M 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 MH1C1 cells. After administration with 100 $\mu$ M 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)
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### Preparing Stock Solutions

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	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

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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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### 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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