

CP-640186

Chemical Properties

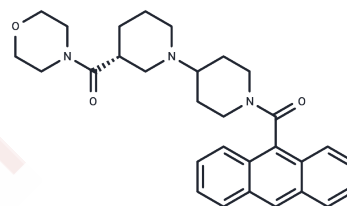
CAS No. : 591778-68-6

Formula: C₃₀H₃₅N₃O₃

Molecular Weight: 485.62

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	CP-640186 is an isozyme-nonspecific Acetyl-CoA carboxylase (ACCase) inhibitor. The IC ₅₀ s of CP-640186 (CP 640186) is 53 nM and 61 nM for rat liver ACC1 and rat skeletal muscle ACC2 respectively.
Targets(IC ₅₀)	Acetyl-CoA Carboxylase

Solubility Information

Solubility	DMSO: 45 mg/mL (92.67 mM), Sonication is recommended. Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.12 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0592 mL	10.2961 mL	20.5922 mL
5 mM	0.4118 mL	2.0592 mL	4.1184 mL
10 mM	0.2059 mL	1.0296 mL	2.0592 mL
50 mM	0.0412 mL	0.2059 mL	0.4118 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.

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

Harwood HJ Jr, et al. J Biol Chem. 2003 Sep 26;278(39):37099-111.

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