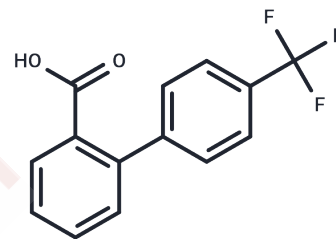


Xenalipin

Chemical Properties

CAS No. :	84392-17-6
Formula:	C ₁₄ H ₉ F ₃ O ₂
Molecular Weight:	266.22
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	Xenalipin (BW 207U) has hypolipidemic. It reduces blood cholesterol and triglycerides in rats.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (225.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (18.78 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	3.7563 mL	18.7815 mL	37.5629 mL
5 mM	0.7513 mL	3.7563 mL	7.5126 mL
10 mM	0.3756 mL	1.8781 mL	3.7563 mL
50 mM	0.0751 mL	0.3756 mL	0.7513 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

Lewis MC, Hodgson GL, Shumaker TK, Namm DH. Evaluation of the hypolipidemic activity of xenalipin in experimental animals. *Atherosclerosis*. 1987 Mar;64(1):27-3

Liu KM, Zhang R, Duan XF. Room-temperature cobalt-catalyzed arylation of aromatic acids: overriding the ortho-selectivity via the oxidative assembly of carboxylate and aryl titanate reagents using oxygen. *Org Biomol Chem*. 2016 Feb 7;14(5):1593-8. doi: 10.1039/c5ob02496j. PubMed PMID: 26732625.

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