

Lipofermata

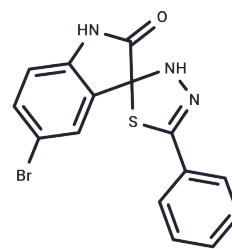
Chemical Properties

CAS No. : 297180-15-5

Formula: C₁₅H₁₀BrN₃O₅

Molecular Weight: 360.23

Storage: Store at low temperature, Keep away from direct sunlight, Store under nitrogen
 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	Lipofermata, a fatty acid transport protein (FATP) inhibitor, prevents lipid transport to melanoma cells and reduces their growth and invasion.
Targets(IC ₅₀)	Antibacterial

Solubility Information

Solubility	DMSO: 100 mg/mL (277.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (11.1 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	2.776 mL	13.880 mL	27.760 mL
5 mM	0.5552 mL	2.776 mL	5.552 mL
10 mM	0.2776 mL	1.388 mL	2.776 mL
50 mM	0.0555 mL	0.2776 mL	0.5552 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

Zhang M, et al. Adipocyte-Derived Lipids Mediate Melanoma Progression via FATP Proteins. Cancer Discov. 2018 Aug;8(8):1006-1025.

Lu Y, Yang X, Kuang Q, et al. HBx induced upregulation of FATP2 promotes the development of hepatic lipid accumulation. Experimental Cell Research. 2023: 113721.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481