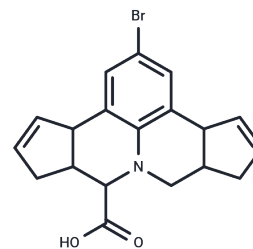


LDN-0088050

Chemical Properties

CAS No. : 353484-30-7
 Formula: C₁₉H₁₈BrNO₂
 Molecular Weight: 372.26
 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	LDN 0088050 is selectivity adipocyte fatty acid binding protein (AFABP, FABP4) inhibitor with Ki values of 0.29 and 1.3 μ M for FABP4 and FABP3, respectively. LDN 0088050 binds to FABP4 with a Kd of 2.05 μ M[1]. Ki: 0.29 μ M (FABP4), 1.3 μ M (FABP3)[1]Kd: 2.05 μ M (FABP4)[1]
Targets(IC50)	Others
In vitro	LDN 0088050 significantly inhibits LPS-induced expression of both TNF α and IL-6 in RAW264.7 cells[1].

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6863 mL	13.4315 mL	26.8629 mL
5 mM	0.5373 mL	2.6863 mL	5.3726 mL
10 mM	0.2686 mL	1.3431 mL	2.6863 mL
50 mM	0.0537 mL	0.2686 mL	0.5373 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

Zhou Y, et al. The discovery of novel and selective fatty acid binding protein 4 inhibitors by virtual screening and biological evaluation. Bioorg Med Chem. 2016 Sep 15;24(18):4310-4317.

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