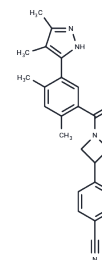


FASN-IN-3

Chemical Properties

CAS No. :	2097262-60-5
Formula:	C ₂₄ H ₂₄ N ₄ O
Molecular Weight:	384.47
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	FASN-IN-3 is an inhibitor of fatty acid synthase (FASN).
Targets(IC50)	Fatty Acid Synthase
In vitro	For monocytes, FASN-IN-3 treatment reduces the level of IL-1 beta resulting from LTA stimulation whereas there is only a slight reduction after LPS stimulation. Human PBMC and monocytes in cell cultures are stimulated with lipopolysaccharide (LPS), a Toll 4 receptor agonist, or lipoteichoic acid (LTA), a Toll 2 receptor agonist. Stimulation with either LPS or LTA plus DMSO, the solvent for FASN-IN-3, results in secretion of IL-1 beta. FASN inhibitor 1 treatment of PBMC, which is a mixed population of mononuclear cells including both lymphocytes and monocytes, reduces the level of IL-1 beta resulting from either LPS or LTA stimulation.

Solubility Information

Solubility	DMSO: 33.33 mg/mL (86.69 mM), Sonication and heating to 80°C are recommended. (< 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 (5.2 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	2.601 mL	13.0049 mL	26.0098 mL
5 mM	0.5202 mL	2.601 mL	5.202 mL
10 mM	0.2601 mL	1.3005 mL	2.601 mL
50 mM	0.052 mL	0.2601 mL	0.5202 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

Buckley, Douglas I, et al. HETEROCYCLIC MODULATORS OF LIPID SYNTHESIS. US20170119786A1

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