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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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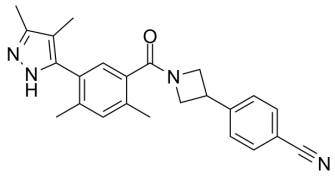
FASN-IN-3

Cat. No.:	HY-U00436
CAS No.:	2097262-60-5
Molecular Formula:	$C_{24}H_{24}N_4O$
Molecular Weight:	384.47
Target:	Fatty Acid Synthase (FASN)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (260.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6010 mL	13.0049 mL	26.0098 mL
	5 mM	0.5202 mL	2.6010 mL	5.2020 mL
	10 mM	0.2601 mL	1.3005 mL	2.6010 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.50 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (6.50 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

FASN-IN-3 is a fatty acid synthase (FASN) inhibitor extracted from patent US20170119786A1, compound 242A[1].

IC_{50} & Target

FASN[1]

In Vitro

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 (Compound 242A), 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. 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[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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