

# FASN inhibitor 1

## Catalog No: tcsc0035379



### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



### Specifications

**CAS No:**

2097262-60-5

**Formula:**

$C_{24}H_{24}N_4O$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Fatty Acid Synthase (FAS)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

384.47

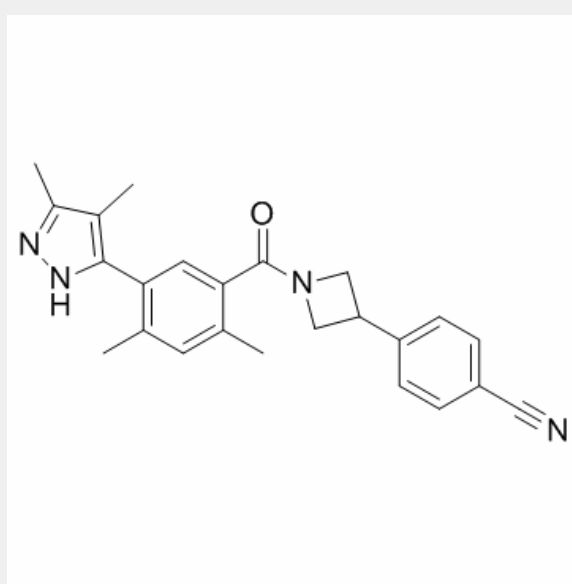
## Product Description

FASN inhibitor 1 is a **fatty acid synthase (FASN)** inhibitor extracted from patent US20170119786A1, compound 242A.

IC50 & Target: FASN<sup>[1]</sup>

***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 inhibitor 1 (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 inhibitor 1 treatment reduces the level of IL-1 beta resulting from LTA stimulation whereas there is only a slight reduction after LPS stimulation<sup>[1]</sup>.



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