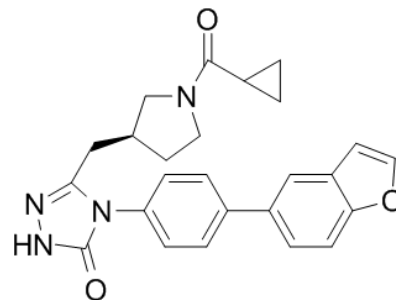


Product Name : GSK2194069
Cat. No. : PC-42976
CAS No. : 1332331-08-4
Molecular Formula : C₂₅H₂₄N₄O₃
Molecular Weight : 428.4831
Target : Fatty Acid Synthase
Solubility : 10 mM in DMSO



Biological Activity

GSK2194069 is a potent and specific inhibitor of the β -ketoacyl reductase (KR) activity of human **fatty acid synthase** (hFAS) with IC₅₀ of 7.7 nM (CoA release).

GSK2194069 shows an IC₅₀ of 29 nM versus hFAS with acetoacetyl-CoA as the substrate, but shows little or no inhibition with β -hydroxybutyrylCoA and crotonyl-CoA (IC₅₀ >1,000 nM), also does not inhibit the partial activities of the KS domain. GSK2194069 decreases phosphatidylcholine levels in A549 cells with IC₅₀ of 15.5 nM without effect on FAS protein levels, reduced A549 cell growth with EC₅₀ of 15 nM.

References

Hardwicke MA, et al. *Nat Chem Biol*. 2014 Sep;10(9):774-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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