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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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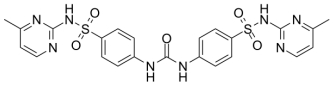
GSK837149A

Cat. No.:	HY-117769
CAS No.:	13616-29-0
Molecular Formula:	$C_{23}H_{22}N_8O_5S_2$
Molecular Weight:	554.6
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



BIOLOGICAL ACTIVITY

Description	GSK837149A is a selective inhibitor of human Fatty Acid Synthase (FASN) targeting the KR domain. GSK837149A has reversible inhibition effect on FASN and selectivity for type I FASN (K_i=30 nM). GSK837149A is also a competitive inhibitor of NADPH and a non-competitive inhibitor of acetoacetyl-CoA. GSK837149A can be used for the research of obesity and breast cancer[1][2].
IC_{50} & Target	Ki: 30 nM (type I FASN)[1]
In Vitro	GSK837149A (0.1 nM-0.1 mM) shows an increasing inhibition effect on acetyl-CoA/malonyl-CoA, and acetoacetyl-CoA[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vázquez MJ, et al. Discovery of GSK837149A, an inhibitor of human fatty acid synthase targeting the beta-ketoacyl reductase reaction. FEBS J. 2008 Apr;275(7):1556-1567.

[2]. Singha PK, et al. Evaluation of FASN inhibitors by a versatile toolkit reveals differences in pharmacology between human and rodent FASN preparations and in antiproliferative efficacy in vitro vs. in situ in human cancer cells. Eur J Pharm Sci. 2020 Apr 7;149:105321.

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