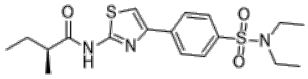
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SBP-5917
Cat. No.	:	PC-28553
CAS No.	:	1808260-84-5
Molecular Formula	:	$C_{18}H_{25}N_3O_3S_2$
Molecular Weight	:	395.54
Target	:	Fatty Acid Synthase
Solubility	:	10 mM in DMSO



Biological Activity

SBP-5917 is a potent, selective reversible, orally bioavailable inhibitor of thioesterase (TE) domain of **fatty acid synthase** (**FASN**) (FASN-TE) with IC50 of 120 nM in OMFH assays.
SBP-5917 is more active than the R-enantiomer 78R.
SBP-5917 shows EC50 of 220 nM in CETSA thermal profiles.
SBP-5917 selectively inhibit FASN in cellular lysates, blocks the production of palmitate in SK-Mel5 cells with IC50 of 2.7 uM, simultaneously induces the de novo synthesis of stearate, a fatty acid with 18 carbons, with EC50 of 0.14 uM.
SBP-5917 binds to the full length FASN protein in addition to the recombinantly purified TE domain.

References

Fromm J, et al. ***bioRxiv*** [Preprint]. 2026 Oct 7:2026.10.01.756096.

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

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