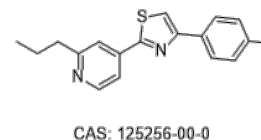


Product Name : Fatostatin
Cat. No. : PC-22262
CAS No. : 125256-00-0
Molecular Formula : C₁₈H₁₈N₂S
Molecular Weight : 294.42
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Fatostatin (125B11) is a small molecule sterol regulatory element binding protein (**SREBP**) inhibitor, impairs the activation process of **SREBPs**, thereby decreasing the transcription of lipogenic genes in cells.

Fatostatin blocks the activation process of both isoforms of **SREBP**, **SREBP1** and **SREBP2**.

Fatostatin inhibits the insulin-induced adipogenesis of 3T3-L1 cells and the serum-independent growth of human androgen-independent prostate cancer (DU145) cells.

Fatostatin inhibits the ER-Golgi translocation of SREBPs through binding to their escort protein, the SREBP cleavage-activating protein (SCAP), at a distinct site from the sterol-binding domain.

Fatostatin blocked increases in body weight, blood glucose, and hepatic fat accumulation in obese ob/ob mice, even under uncontrolled food intake.

References

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Li X, et al. *Mol Cancer Ther.* 2014 Apr;13(4):855-66.

Kamisuki S, et al. *J Med Chem.* 2011 Jul 14;54(13):4923-7.

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

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