

Catalog # 10-1355

Fatostatin

CAS# 298197-04-3

2-(2-Propylpyridin-4-yl)-4-(p-tolyl)thiazole

Lot # X104707



Blocks adipogenesis by inhibiting the activation of SREBP. Inhibits the ER-Golgi translocation of SREBPs via binding to their escort protein (SCAP). Prevents increases in body weight, blood glucose and hepatic fat accumulation in obese *ob/ob* mice¹. Inhibits high glucose-induced TGF- β in mesangial cells². Cell permeable.

- 1) Kamisuki *et al.* (2009), *A small molecule that blocks fat synthesis by inhibiting the activation of SREBP*; Chem. Biol., **16** 882
- 2) Uttarwar *et al.* (2012), *SREBP-1 activation by glucose mediates TGF- β upregulation in mesangial cells*; Am. J. Physiol. Renal Physiol., **302** F329

PHYSICAL DATA

Molecular Weight:	294.42
Molecular Formula:	C ₁₈ H ₁₈ N ₂ S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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