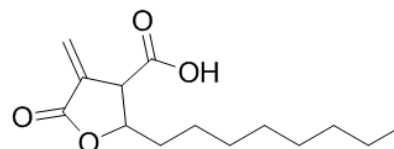


**Product Name** : FASN inhibitor C75  
**Cat. No.** : PC-43005  
**CAS No.** : 218137-86-1  
**Molecular Formula** : C<sub>14</sub>H<sub>22</sub>O<sub>4</sub>  
**Molecular Weight** : 254.3221  
**Target** : Fatty Acid Synthase  
**Solubility** : 10 mM in DMSO



### Biological Activity

FASN inhibitor C75 is a synthetic, slow-binding inhibitor of mammalian **fatty acid synthesis (FASN, FAS)**, binds to and inhibits mammalian FAS and inhibits fatty acid synthesis in human cancer cells (SKBR3 cells ID<sub>50</sub>=5.0 ug/mL). FASN inhibitor C75 causes changes in peripheral tissues, including inhibition of hepatic fatty acid synthesis, reduction of fatty liver, diminished adipose tissue mass, and high levels of malonyl-CoA. FASN inhibitor C75 reduces food consumption and increases both fatty acid oxidation and energy expenditure in DIO mice. FASN inhibitor C75 also sensitizes the efficacy of radiotherapy of prostate carcinoma.

### References

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Rae C, et al. *Radiat Res*. 2015 Nov;184(5):482-93.

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

E-mail: tech@probechem.com