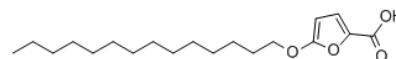


**Product Name** : TOFA  
**Cat. No.** : PC-42306  
**CAS No.** : 54857-86-2  
**Molecular Formula** : C<sub>19</sub>H<sub>32</sub>O<sub>4</sub>  
**Molecular Weight** : 324.45498  
**Target** : Acetyl-CoA Carboxylase (ACC)  
**Solubility** : DMSO: ≥ 34 mg/mL



### Biological Activity

TOFA (RMI14514, MDL14514) is an indirect, allosteric inhibitor of **Acetyl-CoA carboxylase-α (ACCA)** and fatty acid synthesis.

TOFA (RMI14514, MDL14514) is converted to TOFyl-CoA, exerts an allosteric inhibition on ACCA.

TOFA (RMI14514, MDL14514) lowers blood lipids and inhibits fatty acid synthesis with minimal effects on liver weight and liver fat content.

TOFA (RMI14514, MDL14514) also induces human cancer cell apoptosis through disturbing their fatty acid synthesis.

### References

Parker RA, et al. *J Med Chem.* 1977 Jun;20(6):781-91.

McCune SA, et al. *J Biol Chem.* 1979 Oct 25;254(20):10095-101.

Wang C, et al. *Biochem Biophys Res Commun.* 2009 Jul 31;385(3):302-6.

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

E-mail: tech@probechem.com