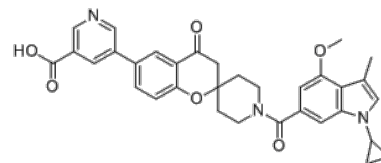


**Product Name** : MK-4074  
**Cat. No.** : PC-61204  
**CAS No.** : 1039758-22-9  
**Molecular Formula** : C<sub>33</sub>H<sub>31</sub>N<sub>3</sub>O<sub>6</sub>  
**Molecular Weight** : 565.626  
**Target** : Acetyl-CoA Carboxylase (ACC)  
**Solubility** : 10 mM in DMSO



### Biological Activity

MK-4074 is a potent, liver-specific, orally active inhibitor of **acetyl-CoA carboxylase** ACC1 and ACC2 with IC<sub>50</sub> of ~3 nM. MK-4074 lowers lipogenesis, increases ketones and reduces liver triglycerides, increases plasma triglycerides in mice. MK-4074 significantly decreases de novo lipogenesis (DNL) in a dose-dependent manner with ID<sub>50</sub> of 0.9 mg/kg in models of obesity, type 2 diabetes and fatty liver.

### References

Kim CW, et al. *Cell Metab.* 2017 Aug 1;26(2):394-406.e6.

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

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