

Data Sheet

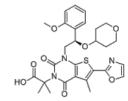
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Product Name : Firsocostat
Cat. No. : PC-61377
CAS No. : 1434635-54-7
Molecular Formula : C₂₈H₃₁N₃O₈S
Molecular Weight : 569.629

Target : Acetyl-CoA Carboxylase (ACC)

Solubility : 10 mM in DMSO



Biological Activity

Firsocostat (ND-630, NDI-010976, GS-0976) is a highly potent, selective inhibitor of **acetyl-CoA carboxylase** (ACC) with IC50 of 2.1 and 6.1 nM for isozymes ACC1 and ACC2, respectively.

Firsocostat (ND-630) displays no activity against 101 enzymes, receptors, growth factors, transporters, and ion channels at $10\,\mathrm{uM}$

Firsocostat (ND-630) reduces hepatic steatosis, improves insulin sensitivity, reduces weight gain without affecting food intake, and favorably affects dyslipidemia in DIO mice.

References

Harriman G. et al. *Proc Natl Acad Sci U S A*. 2016 Mar 29;113(13):E1796-805.

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

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