

Product Name	: Firsocostat
Synonyms	: ND-630;NDI-010976;GS-0976
Cat No.	: M11846
CAS Number	: 1434635-54-7
Molecular Formula	: C ₂₈ H ₃₁ N ₃ O ₈ S
Formula Weight	: 569.63
Chemical Name	: 2-[1-[(2R)-2-(2-methoxyphenyl)-2-[(oxan-4-yl)oxy]ethyl]-5-methyl-6-(1,3-oxazol-2-yl)-2,4-dioxo-1,4-dihydrothieno[2,3-d]pyrimidin-3(2H)-yl]-2-methylpropanoic acid
Description	Firsocostat (ND-630, NDI-010976, GS-0976) is a highly potent, selective inhibitor of acetyl-CoA carboxylase (ACC) with IC ₅₀ of 2.1 and 6.1 nM for isozymes ACC1 and ACC2, respectively; displays no activity against 101 enzymes, receptors, growth factors, transporters, and ion channels at 10 uM; reduces hepatic steatosis, improves insulin sensitivity, reduces weight gain without affecting food intake, and favorably affects dyslipidemia in DIO mice. Steatohepatitis, Phase 2 Clinical
Pathway	: Metabolic Enzyme/Protease
Target	: ACC
Receptor	: ACC
Solubility	: DMSO : ≥ 50 mg/mL 87.78 mM
SMILES	: <chem>O=C(O)C(C)(C)N(C)N(C)[C@@H](C1=CC=CC=C1OC)OC2CCOCC2)C3=C4C(C)=C(C5=NC=CO5)S3)=O)C4=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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

