

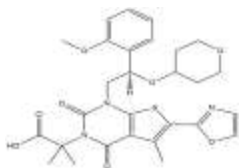
PRODUCT: **ND-630**

ALTERNATE NAME: 1,4-dihydro-1-[(2R)-2-(2-methoxyphenyl)-2-[(tetrahydro-2H-pyran-4-yl)oxy]ethyl]- $\alpha,\alpha,5$ -trimethyl-6-(2-oxazolyl)-2,4-dioxo-thieno[2,3-d]pyrimidine-3(2H)-acetic acid; Firsocostat; GS0976

CATALOG #: B2248-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₈H₃₁N₃O₈S

MOLECULAR WEIGHT: 569.63

CAS NUMBER: 1434635-54-7

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: \geq 98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: ND-630 is potent, and reversible acetyl-CoA carboxylase (ACC) inhibitor; inhibits human ACC1 and ACC2 with IC₅₀ values of 2.1 and 6.1 nM, respectively. When administered chronically to Zucker diabetic fatty rats, ND-630 reduces hepatic steatosis, improves glucose-stimulated insulin secretion, and reduces hemoglobin A1c (0.9% reduction).

REFERENCES: Harriman, G., *et al.* (2016). *Proc. Natl. Acad. Sci. USA* **113**, E1796-11805.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

ACC2 Inhibitor (**1717**)
CP-640186 (**9422**)
CP-640186 hydrochloride (**B1254**)
ND-630 (**B2248**)
TOFA (**B2167**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**