

Product Name : Verinurad

Synonyms : RDEA-3170

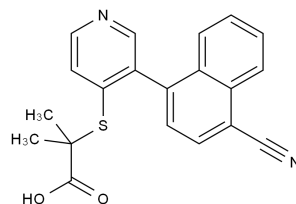
Cat No. : M11432

CAS Number : 1352792-74-5

Molecular Formula : C₂₀H₁₆N₂O₂S

Formula Weight : 348.42

Chemical Name : Propanoic acid, 2-[[3-(4-cyano-1-naphthalenyl)-4-pyridinyl]thio]-2-methyl-



Description : A highly potent and specific URAT1 inhibitor with IC₅₀ of 25 nM; displays 200-fold lower affinity for the related URAT1 homologs OAT4 and OAT1; reduces the sUA by up to 60% with a single 40mg dose in healthy human volunteers, and increases the FEUA in a dose-dependent manner with EC₅₀ of 22 nM; currently in phase 2 trials for the treatment of gout and asymptomatic hyperuricemia. Gout Phase 2 Clinical

Pathway : Membrane Transporter/Ion Channel

Target : URAT1

Receptor : URAT1

Solubility : 10 mM in DMSO

SMILES : CC(C)(SC1=CC=C(C=C(C=C(C=C1)C#N)C=C2)C=NC=C2)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tan PK, et al. Sci Rep. 2017 Apr 6; 7(1):665. | 2. Shen Z, et al. Drug Des Devel Ther. 2017 Jul 7; 11:2077-2086.