

GC376, 3CLpro inhibitor

Catalog	Unit
TBI5299-5MG	5 mg
TBI5299-25MG	25 mg

Product Details

Formal Name: (βS)-α-hydroxy-β-[[[(2S)-4-methyl-1-oxo-2-[[[(phenylmethoxy)carbonyl]amino]pentyl]amino]-2-oxo-3-pyrrolidinepropanesulfonic acid, monosodium salt

Molecular Formula: C₂₁H₃₀N₃O₈S • Na

Formula Weight: 507.5

CAS Number: 1416992-39-6

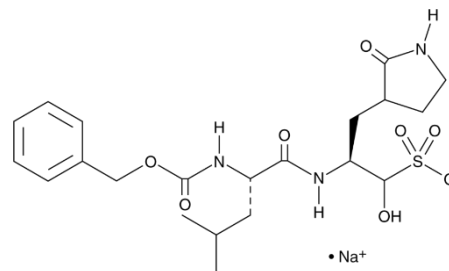
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

3CLpro inhibitor

Functions

GC376 inhibits the 3C protease of poliovirus with an IC₅₀ of 1.77 μM, foot-and-mouth disease virus (FMDV) with an IC₅₀ of 1.16 μM, and human rhinovirus (HRV) with an IC₅₀ of 0.2 μM. It also targets the 3C-like proteases of Norwalk virus, MD145 virus, transmissible gastroenteritis virus (TGEV), and SARS-CoV, with IC₅₀ values of 0.49 μM, 0.96 μM, 0.82 μM, and 4.35 μM, respectively.

Application Procedures

First dissolved in DMSO (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.