
Catalog	Unit
TBI4965-5MG	5 mg
TBI4965-25MG	25 mg

Product Details

Formal Name: 5-Amino-2-methyl-N-(1R-naphthalen-1-yl-ethyl)benzamide

Molecular Formula: C₂₀H₂₀N₂O

Formula Weight: 304.40

CAS Number: 1093070-16-6

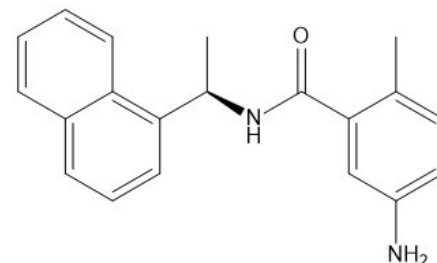
Purity: >99%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or Ethanol (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

SARS-CoV-2 papain-like protease (PLpro, Nsp3) inhibitor

Functions

GRL-0617 is a noncovalent inhibitor of the protease PLpro (papain-like protease; Nsp3) encoded by coronaviruses SARS-CoV (EC₅₀ = 15 μM in Vero cells) and COVID-19 SARS-CoV-2 (EC₅₀ = 28 μM in Vero cells), with no cytotoxicity. Although it was identified in a screen using a fluorescent peptide substrate comprising the 5 C-terminal residues of ubiquitin, it does not inhibit human deubiquitinating enzymes HAUSP, USP18, UCH-L1, UCH-L3, or PLP2.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.