
Catalog	Unit
TBI4960-5MG	5 mg
TBI4960-25MG	25 mg

Product Details

Formal Name: 1H-Indole-4-carboxylic acid, 5-chloro-3-pyridinyl ester

Molecular Formula: C₁₄H₉ClN₂O₂

Formula Weight: 272.70

CAS Number: 1087243-14-8

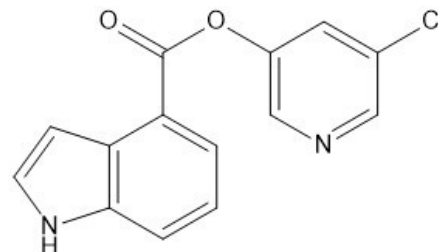
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or Ethanol (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

SARS-CoV-2 chymotrypsin-like protease (3CLpro, Mpro, Nsp5) inhibitor

Functions

During SARS coronavirus replication, the replicase polyprotein undergoes proteolytic processing by two viral proteases, a chymotrypsin-like protease (3CLpro) and a papain-like protease (PLpro). Both proteases serve as attractive targets for antiviral therapeutics. GRL-0496 is a potent inhibitor of severe acute respiratory syndrome-coronavirus chymotrypsin-like protease (SARS-CoV 3CLpro). IC₅₀ = 30 nM and antiviral EC₅₀ = 6.9 μM.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.