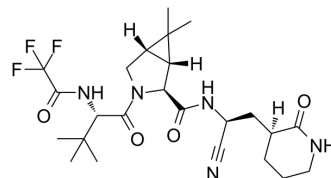


GRL-190-21

Cat. No.:	HY-162229
CAS No.:	2755957-14-1
Molecular Formula:	C ₂₄ H ₃₄ F ₃ N ₅ O ₄
Molecular Weight:	513.55
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

GRL-190-21 (compound 5e) is an inhibitor for SARS-Cov-2-Mpro with a K_i of 0.04 nM and exhibits antiviral activity in VeroE6 cells with EC_{50} of 0.26 μ M. GRL-190-21 reduces the infectivity, replication, and cytopathic effect of SARS-CoV-2 without significant toxicity^[1].

REFERENCES

[1]. Ghosh AK, et al., Exploration of P1 and P4 modifications of nirmatrelvir: Design, synthesis, biological evaluation, and X-ray structural studies of SARS-CoV-2 Mpro inhibitors. *Eur J Med Chem.* 2024 Feb 1;267:116132.

Caution: Product has not been fully validated for medical applications. For research use only.

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