



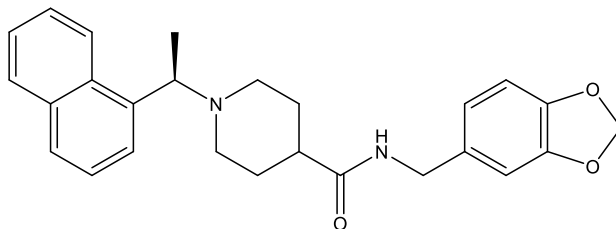
Catalog # 10-4963

GRL-0667

CAS# 1234195-91-5

1-[(R)-1-(1-Naphthyl)ethyl]-4-[3,4-(methylenedioxy)benzylamino]carbonylpiperidine

Lot # FBA7081



GRL-0667 is a potent ($IC_{50} = 320$ nM) noncovalent inhibitor of severe acute respiratory syndrome-coronavirus papain-like protease (SARS-CoV PLpro). GRL0667 inhibited SARS-CoV viral replication in Vero E6 cells with no cytotoxicity ($EC_{50} = 9.1$ μ M).

References:

- 1) Ghosh *et al.* (2010), *Severe Acute Respiratory Syndrome-Coronavirus Papain-Like Novel Protease Inhibitors: Design, Synthesis, Protein-Ligand X-ray Structure and Biological Evaluation* J. Med. Chem. **53** 4968

PHYSICAL DATA

Molecular Weight:	416.52
Molecular Formula:	C ₂₆ H ₂₈ N ₂ O ₃
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml) or Ethanol (15 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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