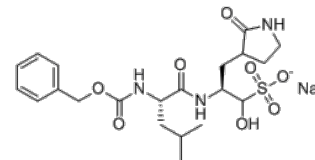


**Product Name** : GC376  
**Cat. No.** : PC-35231  
**CAS No.** : 1416992-39-6  
**Molecular Formula** : C<sub>21</sub>H<sub>30</sub>N<sub>3</sub>NaO<sub>8</sub>S  
**Molecular Weight** : 507.534  
**Target** : Rhinovirus  
**Solubility** : 10 mM in DMSO



## Biological Activity

GC376 (GC-376) is a broad-spectrum **antiviral agent** that inhibits **3C or 3C-like proteases (3Cpro or 3CLpro)** of picornaviruses, noroviruses, and coronaviruses with IC<sub>50</sub> of 0.96 (MD145), 0.82 (TGEV) and 0.2 μM (HRV) in FRET protease assays.

GC376 demonstrates significant effectivities against caliciviruses (NV and MNV-1), coronaviruses (TGEV, FIPV, MHV, 229E, and BCV), and picornaviruses (HRVs 18, 51, and 68 (EC<sub>50</sub>=0.3-1.5 μM), EV71 (EC<sub>50</sub>=10.3 μM), and PTV).

GC376 showed promise in treating cats with certain presentations of feline infectious peritonitis.

## References

Kim Y, et al. *J Virol.* 2012 Nov;86(21):11754-62.

Takahashi D, et al. *Virus Res.* 2013 Dec 26;178(2):437-44.

Pedersen NC, et al. *J Feline Med Surg.* 2018 Apr;20(4):378-392.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com