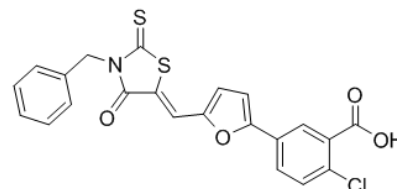


**Product Name** : 4E2RCat  
**Cat. No.** : PC-42237  
**CAS No.** : 432499-63-3  
**Molecular Formula** : C<sub>22</sub>H<sub>14</sub>ClNO<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 455.9339  
**Target** : Eukaryotic Initiation Factor (eIF)  
**Solubility** : DMSO: 15.5 mg/mL



## Biological Activity

A small molecule inhibitor of eIF4E-eIF4G interaction with IC<sub>50</sub> of 13.5  $\mu$ M in TR-FRET-based assay; inhibits cap-dependent translation in a dose-dependent manner, significantly decreases human coronavirus 229E (HCoV-229E) replication, reduces the percentage of infected cells and intra- and extracellular infectious virus titers.

## References

- Cencic R, et al. J Virol. 2011 Jul;85(13):6381-9.  
Cencic R, et al. Proc Natl Acad Sci U S A. 2011 Jan 18;108(3):1046-51.  
Bhat M, et al. Nat Rev Drug Discov. 2015 Apr;14(4):261-78.

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

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