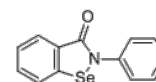


**Product Name** : Ebselen  
**Cat. No.** : PC-20690  
**CAS No.** : 60940-34-3  
**Molecular Formula** : C<sub>13</sub>H<sub>9</sub>NOSe  
**Molecular Weight** : 274.18  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



CAS: 60940-34-3

## Biological Activity

Ebselen (CCG-39161, PI-1005) is a potent voltage-dependent calcium channel (VDCC) blocker, also potently inhibits SARS CoV-2 Mpro with IC<sub>50</sub> of 0.67 μM.

Ebselen covalently binds to C145 of the catalytic SARS CoV-2 Mpro, shows strong antiviral effects at a concentration of 10 μM in COVID-19 virus infected Vero cells.

Ebselen inhibits early viral postentry events of the HIV-1 life cycle by impairing the incoming capsid uncoating process.

Ebselen inhibits QSOX1 enzymatic activity and suppresses invasion of pancreatic, renal cancer cell lines.

Ebselen also is a first-in-class inhibitor of the YTHDF m6A-binding domain, engages YTHDF proteins within cells, interfering with their mRNA binding.

## References

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Micaelli M, et al. ACS Pharmacol Transl Sci. 2022 Sep 14;5(10):872-891.

Jin Z, et al. Nature. 2020 Apr 9.

Hanavan PD, et al. Oncotarget. 2015 Jul 30;6(21):18418-28.

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

E-mail: tech@probechem.com