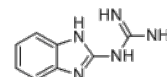


**Product Name** : 2GBI  
**Cat. No.** : PC-38295  
**CAS No.** : 5418-95-1  
**Molecular Formula** : C<sub>8</sub>H<sub>9</sub>N<sub>5</sub>  
**Molecular Weight** : 175.195  
**Target** : Proton Pump  
**Solubility** :



## Biological Activity

2GBI (2-guanidinobenzimidazole) is a guanidine derivative that inhibits voltage-gated proton channel **Hv1** by binding to the VSD from its intracellular side.

## References

- Hong L, et al. Proc Natl Acad Sci U S A. 2014 Jul 8;111(27):9971-6.  
Gianti E, et al. Proc Natl Acad Sci U S A. 2016 Dec 27;113(52):E8359-E8368.  
Geragotelis AD, et al. Proc Natl Acad Sci U S A. 2020 Jun 16;117(24):13490-13498.

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

E-mail: tech@probechem.com