

## 2GBI, Hv1 channel blocker

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| Catalog       | Unit   |
|---------------|--------|
| TBI3127-50MG  | 50 mg  |
| TBI3127-250MG | 250 mg |

### Product Details

**Formal Name:** 2-Guanidinobenzimidazole

**Molecular Formula:** C<sub>8</sub>H<sub>9</sub>N<sub>5</sub>

**Formula Weight:** 175.19

**CAS Number:** 5418-95-1

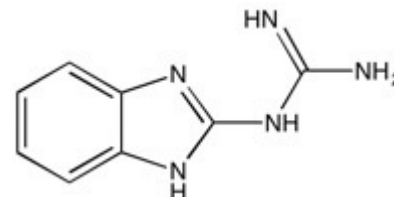
**Purity:** >95%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Water (up to 4 mg/ml with warming)

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

Hv1 channel blocker

### Functions

A selective and state-dependent blocker of voltage-gated proton channels (Hv1). 2GBI blocks the channel by binding to the voltage-sensing domain from its intracellular side. Inhibition of Hv1 is a potentially new target of intervention in various pathophysiological processes including inflammatory, cancer, bone resorption and neurodegenerative disease.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Water (up to 4 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

**For research use only.**