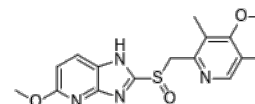


**Product Name** : Tenatoprazole  
**Cat. No.** : PC-23331  
**CAS No.** : 113712-98-4  
**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 346.41  
**Target** : Proton Pump  
**Solubility** : 10 mM in DMSO



## Biological Activity

Tenatoprazole (TU-199) is an orally active imidazopyridine-based proton pump inhibitor, inhibits gastric H<sup>+</sup>/K<sup>+</sup>-ATPase activity with IC<sub>50</sub> of 6.2 μM, also inhibits glutathione peroxidase 1 (GPX1).

## References

- Thomson AB, et al. *Aliment Pharmacol Ther.* 2006;23(8):1179-1187.  
Uchiyama K, et al. *Methods Find Exp Clin Pharmacol.* 1999;21(2):115-122.  
Dorian M Cheff, et al. *Redox Biol.* 2023 Jul;63:102719.

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

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