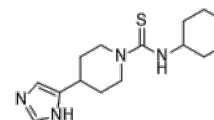


**Product Name** : Thioperamide  
**Cat. No.** : PC-26243  
**CAS No.** : 106243-16-7  
**Molecular Formula** : C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>S  
**Molecular Weight** : 292.45  
**Target** : Histamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Thioperamide (MR-12842) is a potent, selective, orally available, brain penetrant inverse agonist / antagonist of histamine H<sub>3</sub>-receptor (H<sub>3</sub>R) with K<sub>i</sub> of 4.3 nM for inhibition of [<sup>3</sup>H]histamine release, inhibits [<sup>3</sup>H]histamine synthesis of K<sub>i</sub> of 31 nM.

## References

Arrang JM, et al. Nature. 1987 May 14-20;327(6118):117-23.

Germundson-Hermanson D, et al. J Neuroimmune Pharmacol. 2025 Dec 19;20(1):110.

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

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