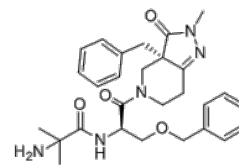


**Product Name** : Capromorelin  
**Cat. No.** : PC-38623  
**CAS No.** : 193273-66-4  
**Molecular Formula** : C<sub>28</sub>H<sub>35</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 505.619  
**Target** : Ghrelin Receptor (GHSR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Capromorelin (CP-424391) is a pyrazolinone-piperidine dipeptide growth hormone secretagogue and ghrelin receptor agonist with  $K_i$  value of 7 nM (hGHS-R1a), and  $EC_{50}$  value of 3 nM (rat pituitary).

Capromorelin (CP-424391) increased plasma GH levels in an anesthetized rat model, with  $ED_{50}$  values less than 0.05 mg/kg iv.

Capromorelin showed enhanced intestinal absorption in rodent models and exhibited superior pharmacokinetic properties, including high bioavailabilities

## References

Carpino PA, et al. *Bioorg Med Chem Lett*. 2002 Nov 18;12(22):3279-82.

Pan LC, et al. *Endocrine*. 2001 Feb;14(1):121-32.

Carpino PA, et al. *Bioorg Med Chem*. 2003 Feb 20;11(4):581-90.

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

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