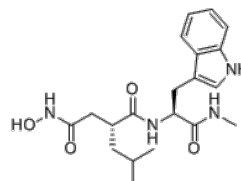


**Product Name** : GM6001  
**Cat. No.** : PC-21093  
**CAS No.** : 142880-36-2  
**Molecular Formula** : C<sub>20</sub>H<sub>28</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 388.47  
**Target** : Matrix Metalloproteinase (MMP)  
**Solubility** : 10 mM in DMSO



### Biological Activity

GM6001 (Ilomastat) is a potent and broad spectrum **matrix metalloproteinase** (MMP) inhibitor with IC<sub>50</sub> of 1.5/1.1/1.9/0.5 nM for MMP-1/2/3/9, respectively.

GM6001 inhibits human skin fibroblast collagenase, thermolysin and elastase with K<sub>i</sub> values of 0.4 nM, 20 nM, 20 nM, respectively.

GM6001 (0.1-10 nM) inhibits gelatinase A and gelatinase B produced by T-cells, inhibits T-cell homing.

GM6001 significantly suppresses intimal hyperplasia and intimal collagen content in vivo.

### References

Grobelny D, et al. **Biochemistry**. 1992 Aug 11;31(31):7152-4.

Leppert D, et al. 1995 May 1;154(9):4379-89.

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

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