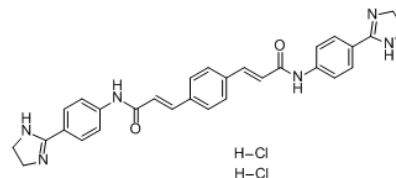


**Product Name** : GW-4869  
**Cat. No.** : PC-45623  
**CAS No.** : 6823-69-4  
**Molecular Formula** : C<sub>30</sub>H<sub>28</sub>N<sub>6</sub>O<sub>2</sub> · 2HCl  
**Molecular Weight** : 577.5  
**Target** : Other Targets  
**Solubility** :



## Biological Activity

A cell-permeable, potent, specific, non-competitive inhibitor of neutral sphingomyelinase (nSMase) with IC<sub>50</sub> of 1 μM; does not inhibit acid SMase (>150 μM); partially inhibits TNF-induced sphingomyelin (SM) hydrolysis at 10 μM.

## References

Luberto C, et al. J Biol Chem. 2002 Oct 25;277(43):41128-39.

Marchesini N, et al. J Biol Chem. 2003 Apr 18;278(16):13775-83.

Airola MV, et al. Proc Natl Acad Sci U S A. 2017 Jul 11;114(28):E5549-E5558.

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

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