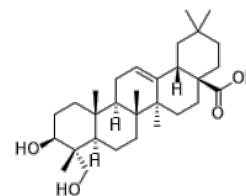


**Product Name** : Hederagenin  
**Cat. No.** : PC-23613  
**CAS No.** : 465-99-6  
**Molecular Formula** : C<sub>30</sub>H<sub>48</sub>O<sub>4</sub>  
**Molecular Weight** : 472.71  
**Target** : Neuropeptide Y Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Hederagenin is a triterpenoid saponin with antitumor activity against multifarious cancers, is a selective antagonist of neuropeptide FF receptor 1 (NPFFR1), selectively inhibits activation of NPFFR1 by NPFF or NPVF through orthosteric antagonism.

Hederagenin inhibits the expression of iNOS, COX-2, and NF-κB in cells induced by LPS stimulation.

Hederagenin increases ROS production in cancer cells, disrupts mitochondrial membrane potential, and induces apoptosis.

Hederagenin inhibits mitochondrial damage in Parkinson's disease via mitophagy induction.

## References

Lentschat H, et al. *Angew Chem Int Ed Engl.* 2024 Dec 6:e202417786.

Lu J, et al. *Biochem Biophys Res Commun.* 2024 Jul 23;718:150085.

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

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