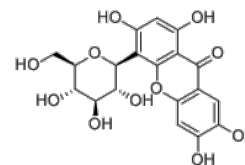


**Product Name** : Isomangiferin  
**Cat. No.** : PN-30006  
**CAS No.** : 24699-16-9  
**Molecular Formula** : C<sub>19</sub>H<sub>18</sub>O<sub>11</sub>  
**Molecular Weight** : 422.3396  
**Target** : iGluR  
**Solubility** :



1. Kang TH, et al. Eur J Pharmacol. 2002 Nov 22;455(1):27-34.
2. Kang TH, et al. Life Sci. 2004 Dec 3;76(3):331-43.

## Biological Activity

Isomangiferin is the major tetracyclic oxindole alkaloid components of *Uncaria* species, inhibits NMDA receptor with IC<sub>50</sub> of 43.2 uM, also blocks calcium channel; also effectively blocks the EphA4-dependent signaling in hippocampal neurons, reduces the EphA4 activity effectively in the hippocampus of APP/PS1 transgenic mice after oral administration, restores the impaired long-term potentiation in transgenic mouse models of AD.

## References

3. Fu AK, et al. Proc Natl Acad Sci U S A. 2014 Jul 8;111(27):9959-64.

