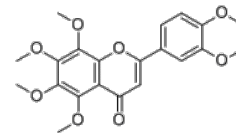


Product Name : Nobiletin
Cat. No. : PC-63473
CAS No. : 478-01-3
Molecular Formula : C₂₁H₂₂O₈
Molecular Weight : 402.399
Target : ROR
Solubility : 10 mM in DMSO



Biological Activity

Nobiletin is an O-methylated flavone that has the activity to rescue bulbectomy-induced memory impairment, also is a clock modulator that targets **ROR α / γ** .

Nobiletin induces neurite outgrowth of PC12D cells, causes a concentration-dependent enhancement of Erk/MAP kinase phosphorylation and a sustained increment of phosphorylation of MEK and Erk/MAP kinase.

Nobiletin also preferentially inhibits Ca²⁺/CaM-dependent phosphodiesterase in vitro.

Nobiletin enhances the clock and concordantly renders protection against metabolic syndrome in a Clock gene-dependent manner, enhances ROR α / γ transcriptional activity via direct binding to ROR α / γ .

References

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He B, et al. *Cell Metab*. 2016 Apr 12;23(4):610-21.

Nakajima A, et al. *J Pharmacol Sci*. 2007 Sep;105(1):122-6.

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

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