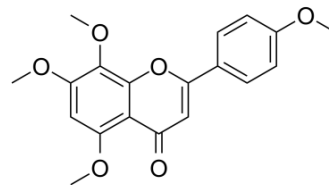


## 6-Demethoxytangeretin

Cat. No.:	HY-N4126
CAS No.:	6601-66-7
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub>
Molecular Weight:	342.34
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

6-Demethoxytangeretin is a citrus flavonoid isolated from *Citrus depressa*. 6-Demethoxytangeretin exerts anti-inflammatory activity and anti-allergic activity, suppresses production and gene expression of interleukin-6 in human mast cell-1 via anaplastic lymphoma kinase (ALK) and mitogen-activated protein kinase (MAPK) pathways<sup>[1]</sup>. 6-Demethoxytangeretin facilitates the CRE-mediated transcription associated with learning and memory in cultured hippocampal neurons<sup>[2]</sup>.

### REFERENCES

- [1]. Kim YM, et al. A citrus flavonoid, 6-demethoxytangeretin, suppresses production and gene expression of interleukin-6 in human mast cell-1 via anaplastic lymphoma kinase and mitogen-activated protein kinase pathways. *Biol Pharm Bull.* 2014;37(5):871-6. Epub 2014 Feb 5.
- [2]. Kawahata I, et al. Potent activity of nobiletin-rich *Citrus reticulata* peel extract to facilitate cAMP/PKA/ERK/CREB signaling associated with learning and memory in cultured hippocampal neurons: identification of the substances responsible for the pharmacological action. *J Neural Transm (Vienna).* 2013 Oct;120(10):1397-409.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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