

Product Data Sheet

Product Name: 6-Demethoxytangeretin

Cat. No.: GC35175

Chemical Properties

Cas. No. 6601-66-7

SMILES O=C1C=C(C2=CC=C(OC)C=C2)OC3=C(OC)C(OC)=CC(OC)=C13

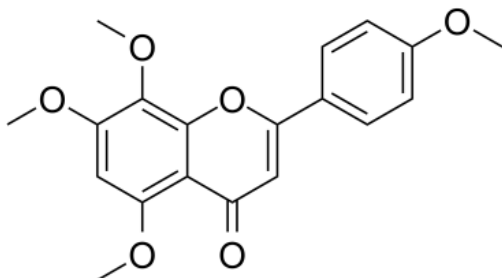
Formula $C_{19}H_{18}O_6$ M.Wt 342.34

Solubility DMSO : 12.5 mg/mL (36.51 mM); ultrasonic and warming and heat to 60°C) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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[1]. 6-Demethoxytangeretin facilitates the CRE-mediated transcription associated with learning and memory in cultured hippocampal neurons[2].

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

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[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.

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