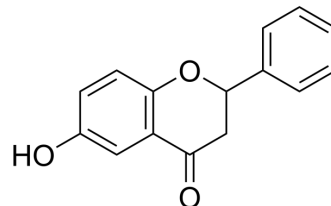


6-Hydroxyflavanone

Cat. No.:	HY-W028263
CAS No.:	4250-77-5
Molecular Formula:	C ₁₅ H ₁₂ O ₃
Molecular Weight:	240.25
Target:	COX; Opioid Receptor; GABA Receptor; Lipoxygenase
Pathway:	Immunology/Inflammation; GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

6-Hydroxyflavanone is a compound that can be isolated from the *Muntingia calabura* leaves. 6-Hydroxyflavanone targets cyclooxygenase-2 (COX-2), 5-lipoxygenase (5-LOX), and opioid and GABA-A receptors that has anti-inflammatory and anti-neuropathic pain potential. 6-Hydroxyflavanone can be used for the research of diabetes^{[1][2]}.

REFERENCES

- [1]. Zolkeflee NKZ, et al. In Vitro Anti-Diabetic Activities and UHPLC-ESI-MS/MS Profile of *Muntingia calabura* Leaves Extract. *Molecules*. 2022 Jan 4;27(1):287.
- [2]. Akbar S, et al. Targeting Anti-Inflammatory Pathways to Treat Diabetes-Induced Neuropathy by 6-Hydroxyflavanone. *Nutrients*. 2023 May 30;15(11):2552.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA