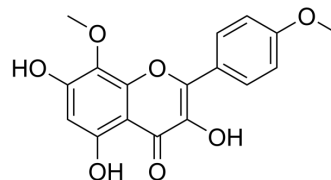


Prudomestin

Cat. No.:	HY-N1547
CAS No.:	3443-28-5
Molecular Formula:	C ₁₇ H ₁₄ O ₇
Molecular Weight:	330.29
Target:	Xanthine Oxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Prudomestin, isolated from the heartwood of *Prunus domestica*, shows potent xanthine oxidase (XO) inhibitory activity (IC₅₀ ≈ 6 μM)^{[1][2]}.

REFERENCES

[1]. Nooreen Z, et al. Characterization and evaluation of bioactive polyphenolic constituents from *Zanthoxylum armatum* DC., a traditionally used plant. *Biomed Pharmacother.* 2017 May;89:366-375.

[2]. Ranjana, et al. Standardization and xanthine oxidase inhibitory potential of *Zanthoxylum armatum* fruits. *J Ethnopharmacol.* 2019 Feb 10;230:1-8.

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

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