
Product Data Sheet

Product Name: Prudomestin

Cat. No.: GC39050

Chemical Properties

Cas. No. 3443-28-5

SMILES O=C1C(O)=C(C2=CC=C(OC)C=C2)OC3=C(OC)C(O)=CC(O)=C13Formula $C_{17}H_{14}O_7$ M.Wt 330.29

Solubility Soluble in DMSO Storage Store at -20°C

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**

Prudomestin, isolated from the heartwood of *Prunus domestica*, shows potent xanthine oxidase (XO) inhibitory activity ($IC_{50} \approx 6 \mu M$) [1][2].

[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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