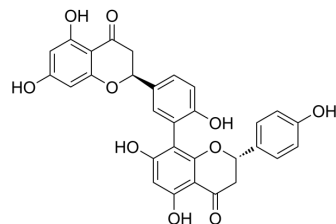


Tetrahydroamentoflavone

Cat. No.:	HY-N1162
CAS No.:	48236-96-0
Molecular Formula:	C ₃₀ H ₂₂ O ₁₀
Molecular Weight:	542.49
Target:	Xanthine Oxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tetrahydroamentoflavone (Amentoflavanone) is a potent xanthine oxidase (XO) inhibitor. Tetrahydroamentoflavone has inhibitory activity for XO with IC ₅₀ and K _i values of 92 nM and 0.982 μM, respectively. Tetrahydroamentoflavone can be used for the research of inflammatory disorders and gout ^[1] .
IC₅₀ & Target	IC ₅₀ : 92 nM (XO) ^[1] . K _i : 0.982 μM (XO) ^[1] .
In Vitro	Tetrahydroamentoflavone has inhibitory activity for XO with IC ₅₀ and K _i values of 92 nM and 0.982 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ranjith Arimboor, et al. Tetrahydroamentoflavone (THA) from Semecarpus anacardium as a potent inhibitor of xanthine oxidase. J Ethnopharmacol. 2011 Feb 16;133(3):1117-20.

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

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