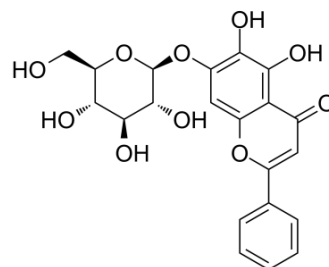


Oroxin A

Cat. No.:	HY-N2025
CAS No.:	57396-78-8
Molecular Formula:	C ₂₁ H ₂₀ O ₁₀
Molecular Weight:	432.38
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Oroxin A is the major component of an ethanol-water <i>Oroxylum indicum</i> (L.) Kurz (Bignoniaceae) seed extract (OISE), activates peroxisome proliferator-activated receptor γ (PPAR γ) by docking into the PPAR γ protein ligand-binding domain. Oroxin A exhibits an inhibitory activity against α -glucosidase and an antioxidant capacity ^[1] . Oroxin A exerts anti-breast cancer effects by inducing ER stress-mediated senescence ^[2] .
In Vitro	Oroxin A (0.5- 100 μ M; 24 hours) significantly increases the PPAR γ transcription level and exhibits the strongest activation with 50 μ M in HEK-293t cells ^[1] .

REFERENCES

- [1]. Sun W, et al. Oroxin A from *Oroxylum indicum* prevents the progression from prediabetes to diabetes in streptozotocin and high-fat diet induced mice. *Phytomedicine*. 2018 Jan 1;38:24-34.
- [2]. He J, et al. Oroxin A inhibits breast cancer cell growth by inducing robust endoplasmic reticulum stress and senescence. *Anticancer Drugs*. 2016 Mar;27(3):204-15.

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

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