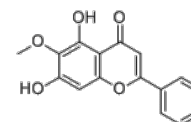


Product Name : Oroxylin A
Cat. No. : PC-49421
CAS No. : 480-11-5
Molecular Formula : C₁₆H₁₂O₅
Molecular Weight : 284.267
Target : Nucleoside Antimetabolite/Analog
Solubility : 10 mM in DMSO



Biological Activity

Oroxylin A is a small molecule **transketolase** (TKT) inhibitor with SPR KD of 70.7 uM, inhibits hepatocellular carcinoma growth in vitro and in vivo.

Oroxylin A dose-dependently decreased TKT protein levels after 48 h treatment in Hep1-6 mouse hepatoma cells.

Oroxylin A not only inhibited TKT activity and expression, but also activated p53 signalling partially through targeting TKT.

Oroxylin A (0-100 uM) inhibits the growth of patient-derived organoids.

References

Jia D, et al. *Clin Transl Med.* 2022 Nov;12(11):e1095.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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