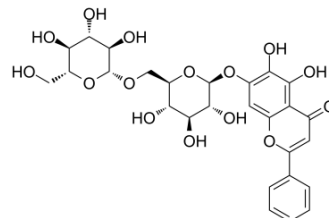


## Oroxin B

Cat. No.:	HY-N1435
CAS No.:	114482-86-9
Molecular Formula:	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>
Molecular Weight:	594.52
Target:	Apoptosis; PI3K; PTEN; Autophagy
Pathway:	Apoptosis; PI3K/Akt/mTOR; Autophagy
Storage:	4°C, protect from light
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Oroxin B (OB) is a flavonoid isolated from traditional Chinese herbal medicine *Oroxylum indicum* (L.) Vent. Oroxin B (OB) possesses obvious inhibitory effect and induces early **apoptosis** rather than late apoptosis on liver cancer cells through upregulation of **PTEN**, down regulation of COX-2, VEGF, PI3K, and p-AKT<sup>[1]</sup>. Oroxin B (OB) selectively induces tumor-suppressive ER stress in malignant lymphoma cells<sup>[2]</sup>.

### REFERENCES

- [1]. Li NN, et al. Evidence for the Involvement of COX-2/VEGF and PTEN/PI3K/AKT Pathway the Mechanism of Oroxin B Treated Liver Cancer. *Pharmacogn Mag.* 2018 Apr-Jun;14(54):207-213.
- [2]. Yang P, et al. Oroxin B selectively induces tumor-suppressive ER stress and concurrently inhibits tumor-adaptive ER stress in B-lymphoma cells for effective anti-lymphoma therapy. *Toxicol Appl Pharmacol.* 2015 Oct 15;288(2):269-79.

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

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