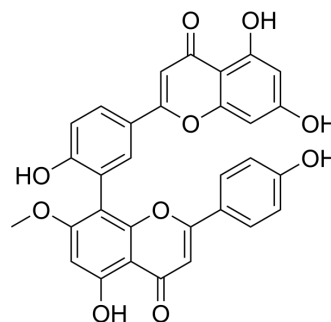


Sotetsuflavone

Cat. No.:	HY-N2199
CAS No.:	2608-21-1
Molecular Formula:	C ₃₁ H ₂₀ O ₁₀
Molecular Weight:	552.48
Target:	Apoptosis; Autophagy
Pathway:	Apoptosis; Autophagy
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Sotetsuflavone is a flavonoid that can be isolated from *Cycas revolute*. Sotetsuflavone inhibits migration and invasion of A549 cells by reversing EMT, and induces cell apoptosis and autophagy. Sotetsuflavone inhibits HIF-1 α , VEGF, angiostatin, MMP-9, and MMP-13 expression in A549 cells. Sotetsuflavone also protects mice against Crohn's disease (CD)-like colitis. Sotetsuflavone can be used for research of NSCLC^{[1][2]}.

REFERENCES

- [1]. Wang S, et al. Sotetsuflavone suppresses invasion and metastasis in non-small-cell lung cancer A549 cells by reversing EMT via the TNF- α /NF- κ B and PI3K/AKT signaling pathway. *Cell Death Discov.* 2018 Feb 14;4:26.
- [2]. Ge S, et al. Sotetsuflavone ameliorates Crohn's disease-like colitis by inhibiting M1 macrophage-induced intestinal barrier damage via JNK and MAPK signalling. *Eur J Pharmacol.* 2023 Feb 5;940:175464.
- [3]. Coulerie P et al. Structure-activity relationship study of biflavonoids on the Dengue virus polymerase DENV-NS5 RdRp. *Planta Med.* 2013 Sep;79(14):1313-8.
- [4]. Li SH et al. Chemical constituents from *Amentotaxus yunnanensis* and *Torreayunnanensis*. *J Nat Prod.* 2003 Jul;66(7):1002-5.

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

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