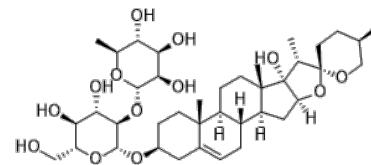


Product Name : Polyphyllin VI
Cat. No. : PC-27529
CAS No. : 55916-51-3
Molecular Formula : C₃₉H₆₂O₁₃
Molecular Weight : 738.90
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Polyphyllin VI (PP-VI, PPVI) is a steroidal saponin isolated from Paris polyphylla with broad and strong anticancer effect and anti-metastatic activity, increases expression of Rel2 (Receptor expressed in lymphoid tissue (RELT)-like 2) and decreases level of miR-18a in 4T1 and MDA-MB-231 cells.

Polyphyllin VI impairs the viability of 4T1 and MDA-MB-231 cells.

Polyphyllin VI suppresses the metastatic potential of 4T1 and MDA-MB-231 cells.

Polyphyllin VI attenuates miR-18a mimic or Rel2 siRNA-augmented migration of MDA-MB-231 cells.

Polyphyllin VI inhibits the proliferation of glioma cell lines by modulating the G2/M phase, promotes apoptosis, autophagy, increases accumulation of ROS and activates ROS-modulated JNK and p38 pathways.

Polyphyllin VI inhibited tumor growth of U87 cell line in nude mice.

References

Yin X, et al. Biomed Chromatogr. 2013 Mar;27(3):343-8.

Wang P, et al. Eur J Pharmacol. 2019 May 15;851:161-173.

Liu W, et al. Onco Targets Ther. 2020 Mar 13;13:2275-2288.

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

E-mail: tech@probechem.com