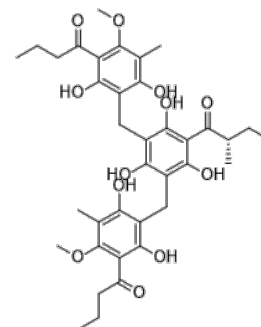


Product Name : Agrimol B
Cat. No. : PC-28290
CAS No. : 55576-66-4
Molecular Formula : C₃₇H₄₆O₁₂
Molecular Weight : 682.76
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

Agrimol B is a polyphenol derived from *Agrimonia pilosa* Ledeb., significantly induces cytoplasm-to-nucleus shuttle of **SIRT1**, inhibits 3T3-L1 adipocyte differentiation by reducing PPAR γ , C/EBP α , FAS, UCP-1, and apoE expression, blocks adipogenesis at the early stage of differentiation with IC₅₀ of 3.35 μ M.

Agrimol B induces autophagic death in TP53-mutant pancreatic cancer by targeting the S100A6-HDAC2-mutant p53 acetylation axis.

Agrimol B downregulates the protein level of NADH:ubiquinone oxidoreductase core subunit S1 (NDUFS1) through caspase 3-mediated degradation, leading to mitochondrial reactive oxygen species (mROS) accumulation and autophagy arrest.

Agrimol B significantly enhances the sensitivity of HCC cells to sorafenib in vitro and in vivo.

Agrimol B inhibits the growth and proliferation of HCC cells in vitro as well as in an HCC patient-derived xenograft (PDX) model.

References

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

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