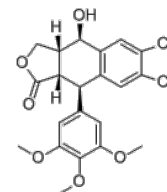


Product Name : Picropodophyllin
Cat. No. : PC-49763
CAS No. : 477-47-4
Molecular Formula : C₂₂H₂₂O₈
Molecular Weight : 414.41
Target : IGF-1R
Solubility : 10 mM in DMSO



Biological Activity

Picropodophyllin (Picropodophyllotoxin, AXL1717, PPT) is a selective orally active insulin-like growth factor 1 receptor (**IGF1R**) inhibitor with IC₅₀ of 1 nM, no activity against insulin receptor, FGFR, PDGFR or EGFR.

Picropodophyllin (AXL1717) (0.5-10 μM) potently inhibits IGF-1-stimulated IGF-1R, Akt (Ser 473) and Erk1/2 phosphorylation in intact cells.

Picropodophyllin (AXL1717) inhibits cell growth, and induces apoptosis in cultured IGF-1R-positive tumor cells.

Picropodophyllin (AXL1717) synergistically sensitizes HMCL, primary human MM and murine 5T33MM cells to ABT-737 and ABT-199.

Picropodophyllin (AXL1717) (20 mg/kg, i.p.) causes complete tumor regression in SCID mice xenografted with human ES-1, BE, and PC3, increases survival in the 5T33MM mouse model.

References

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

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