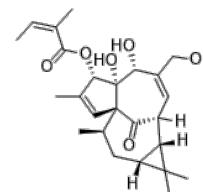


Product Name : Ingenol Mebutate
Cat. No. : PC-27614
CAS No. : 75567-37-2
Molecular Formula : C₂₅H₃₄O₆
Molecular Weight : 430.54
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

Ingenol Mebutate (PEP005, Ingenol 3-angelate) is a selective small-molecule **activator** of protein kinase C (**PKC**) with K_i of 0.3, 0.105, 0.162, 0.376, and 0.171 nM for PKC-α, PKC-β, PKC-γ, PKC-δ, and PKC-ε, respectively.

Ingenol Mebutate (PEP005, Ingenol 3-angelate) induces dual modes of cell death and differentially regulates tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in melanoma cells.

Ingenol Mebutate (PEP005, Ingenol 3-angelate) has potent antileukemic effects, inducing apoptosis in myeloid leukemia cell lines and primary acute myeloid leukemia (AML) cells at nanomolar concentrations.

Ingenol Mebutate (PEP005, Ingenol 3-angelate) modulates PKC functions, alone and in combination with cytotoxic agents in human colon cancer cells.

References

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

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