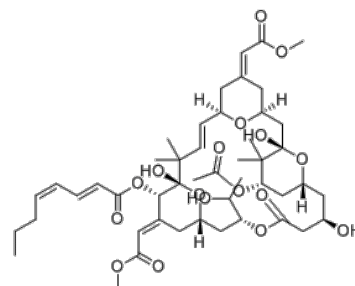


Product Name : Bryostatin 1
Cat. No. : PC-35396
CAS No. : 83314-01-6
Molecular Formula : C₄₇H₆₈O₁₇
Molecular Weight : 905.044
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

Bryostatin 1 (NSC 339555) is a macrocyclic lactone derived from a marine invertebrate, functions as an activator of **PKC** with high binding affinity (K_i=1.35 nM).

Bryostatin 1 functions like the phorbol esters biochemically in binding to and activating protein kinase C.

Bryostatin 1 inhibits tumor promotion by phorbol esters in SENCAR mouse skin, induces differentiation of B-chronic lymphocytic leukemia cells.

Bryostatin 1 blocks phorbol ester action in Friend cells, restores the differentiation response with EC₅₀ of 15 nM.

References

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Sako T, et al. Cancer Res. 1987 Oct 15;47(20):5445-50.

Dell'Aquila ML, et al. Cancer Res. 1987 Nov 15;47(22):6006-9.

Drexler HG, et al. Blood. 1989 Oct;74(5):1747-57.

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

E-mail: tech@probechem.com