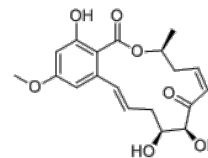


Product Name : 5Z-7-Oxozeaenol
Cat. No. : PC-61198
CAS No. : 253863-19-3
Molecular Formula : C₁₉H₂₂O₇
Molecular Weight : 362.37
Target : TAK1
Solubility : 10 mM in DMSO



Biological Activity

5Z-7-Oxozeaenol (5ZO, FR148083) is a potent, selective **TAK1** inhibitor with IC₅₀ of 8 nM, displays >33-fold and >62-fold selectivity over MEKK1 and MEKK4 respectively.

5Z-7-Oxozeaenol inhibits IL-1-induced activation of NF-κB (IC₅₀= 83 nM) and JNK/p38, inhibits production of inflammatory mediators, and sensitizes cells to TRAIL- and TNF-α-induced apoptosis in vitro.

5Z-7-Oxozeaenol significantly enhances chemotherapeutic efficacy in vivo.

References

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Fan Y, et al. *Apoptosis*. 2013 Oct;18(10):1224-34.

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

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