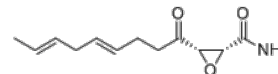


Product Name : Cerulenin
Cat. No. : PC-70282
CAS No. : 17397-89-6
Molecular Formula : C₁₂H₁₇NO₃
Molecular Weight : 223.27
Target : Fatty Acid Synthase
Solubility : 10 mM in DMSO



Biological Activity

Cerulenin is an antifungal antibiotic that inhibits **fatty acid synthase** (FASN), also blocks cellular proliferation of KRAS-associated lung cancer cells.

Cerulenin induces pro-survival, Akt and ERK activation, in serum-deprived KRAS mutant cancer cells.

Cerulenin causes a dose-dependent decrease in HER2/neu protein levels in breast cancer cells.

References

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Yellen P, et al. *Cancer Lett*. 2014 Oct 28;353(2):258-63.

Menendez JA, et al. *Proc Natl Acad Sci U S A*. 2004 Jul 20;101(29):10715-20.

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

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