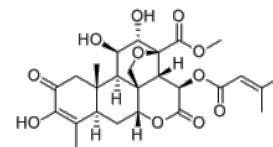


Product Name : Brusatol
Cat. No. : PC-35259
CAS No. : 14907-98-3
Molecular Formula : C₂₆H₃₂O₁₁
Molecular Weight : 520.531
Target : Keap1-Nrf2
Solubility : 10 mM in DMSO



Biological Activity

Brusatol (NSC 172924, (+)-Brusatol) is a quassinoid extracted from Brucea Esters, can inhibit **HIF-1** signaling pathway, also is a potent **Nrf2** inhibitor.

Brusatol selectively reduces the protein level of Nrf2 through enhanced ubiquitination and degradation of Nrf2.

Brusatol enhances the efficacy of cisplatin, induces apoptosis, reduces cell proliferation, and inhibits tumor growth more substantially when compared with cisplatin treatment alone in A549 xenografts.

Brusatol down-regulates HIF-1 α protein levels under hypoxia or CoCl₂-induced mimic hypoxia in HCT116 cells without causing significant cytotoxicity.

References

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

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