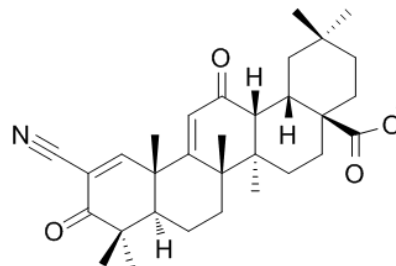


Product Name : Bardoxolone methyl
Cat. No. : PC-43494
CAS No. : 218600-53-4
Molecular Formula : C₃₂H₄₃NO₄
Molecular Weight : 505.69
Target : Keap1-Nrf2
Solubility : DMSO: ≥ 49 mg/mL



Biological Activity

Bardoxolone methyl (CDDO-Me, RTA402) is a potent activator of **Nrf2**, inhibits proliferation, induces differentiation and apoptosis in AML cells.

CDDO Methyl ester induces rapid apoptosis (IC₅₀=0.1-0.3 uM) and triggers a series of effects associated with apoptosis including a rapid release of cytochrome c from mitochondria, activation of procaspase-9, -7, -6, and -3, and cleavage of PARP and lamin A/C in NSCLC cells.

CDDO Methyl ester also demonstrates potent antidiabetic activity, reducing proinflammatory cytokine expression in high fat diet-fed type 2 diabetic mice.

References

- Konopleva M, et al. **Blood**. 2002 Jan 1;99(1):326-35.
Kim KB, et al. **Mol Cancer Ther**. 2002 Jan;1(3):177-84.
Thimmulappa RK, et al. **Antioxid Redox Signal**. 2007 Nov;9(11):1963-70.
Yates MS, et al. **Mol Cancer Ther**. 2007 Jan;6(1):154-62.

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

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