



938 South Andreasen Drive, Suite E  
Escondido, CA 92029 USA

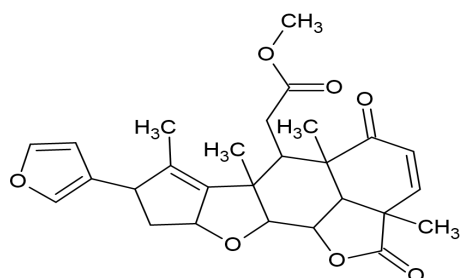
Phone: +1-760-738-1508  
Fax: +1-760-738-1530  
info@auroramedbiochem.com  
[www.auroramedbiochem.com](http://www.auroramedbiochem.com)

## Nimbolide

**ALTERNATE NAME:** methyl 2-[6-(furan-3-yl)-7,9,11,15-tetramethyl-12,16-dioxo-3,17-dioxapentacyclo[9.6.1.0<sup>2,9</sup>.0<sup>4,8</sup>.0<sup>15,18</sup>]octadeca-7,13-dien-10-yl]acetate

**CATALOG #:** AUR10674

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>30</sub>O<sub>7</sub>

**MOLECULAR WEIGHT:** 466.52

**CAS#:** 25990-37-8

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (30 mg/ml)

**PURITY:** ≥99% by TLC

**STORAGE:** Store at +2°C to +8°C; Protect from air and light

**DESCRIPTION:** Nimbolide is a terpenoid lactone derived that has been shown to cause TRAIL-induced apoptosis in colon cancer cell through three distinct mechanisms: reactive oxygen species and ERK-mediated up-regulation of DR5 and DR4, downregulation of cell survival proteins, and up-regulation of pro-apoptotic proteins p53 and Bax.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure