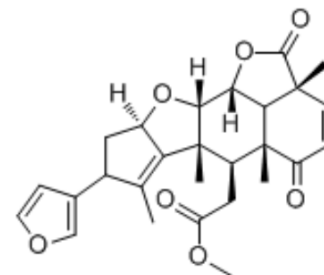


## Nimbolide

Cat. No.:	HY-116035
CAS No.:	25990-37-8
Molecular Formula:	C <sub>27</sub> H <sub>30</sub> O <sub>7</sub>
Molecular Weight:	466.52
Target:	NF-κB; CDK; Apoptosis
Pathway:	NF-κB; Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

**Description** Nimbolide is a triterpene derived from the leaves and flowers of neem (*Azadirachta indica* L). Nimbolide induces apoptosis through inactivation of NF-κB. Nimbolide inhibits CDK4/CDK6 kinase activity. Nimbolide suppresses the NF-κB, Wnt, PI3K-Akt, MAPK and JAK-STAT signaling pathways<sup>[1]</sup>.

<b>IC<sub>50</sub> &amp; Target</b>	NF-κB	CDK4	CDK6
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### REFERENCES

[1]. Bodduluru LN, et al. Chemopreventive and therapeutic effects of nimbolide in cancer: the underlying mechanisms. *Toxicol In Vitro*. 2014 Aug;28(5):1026-35.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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