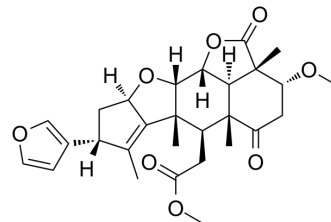


## 2,3-Dihydro-3 $\alpha$ -methoxynimbolide

Cat. No.:	HY-N10091
CAS No.:	1607828-35-2
Molecular Formula:	C <sub>28</sub> H <sub>34</sub> O <sub>8</sub>
Molecular Weight:	498.56
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

2,3-Dihydro-3 $\alpha$ -methoxynimbolide is a limonoid compound isolated from the extracts of bark, leaves, roots, and seeds of *Azadirachta indica* A. Juss. var. *siamensis* Valetton. 2,3-Dihydro-3 $\alpha$ -methoxynimbolide exhibits potent cyto-toxicities against one or more cell lines. 2,3-Dihydro-3 $\alpha$ -methoxynimbolide activates caspases-3, -8, and -9, while increases the ratio of Bax/Bcl-2. 2,3-Dihydro-3 $\alpha$ -methoxynimbolide induces apoptosis via both mitochondrial and death receptor pathways in AZ521<sup>[1]</sup>.

### REFERENCES

[1]. Manosroi A, et al. Limonoids from *Azadirachta indica* var. *siamensis* extracts and their cytotoxic and melanogenesis-inhibitory activities. *Chem Biodivers.* 2014;11(4):505-531.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA