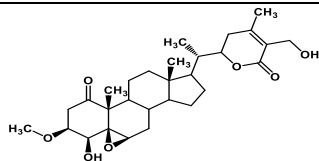


## 2,3-Dihydro-3-methoxywithaferin A

Name of the Phytochemical	2,3-Dihydro-3-methoxywithaferin A
Chemical Structure	
Botanical Source	Withania somnifera
CAS Number	21902-96-5
Functional Activity	<ul style="list-style-type: none"> <li>• It was shown to lack cytotoxicity and well tolerated at higher concentrations</li> <li>• protects normal cells against oxidative, chemical and UV stresses through induction of anti-stress and pro-survival signaling</li> <li>• Novel modulator of circadian rhythms</li> </ul>
Key References	<ol style="list-style-type: none"> <li>1. Withanolide Derivative 2,3-Dihydro-3<math>\beta</math>-methoxy Withaferin-A Modulates the Circadian Clock via Interaction with RAR-Related Orphan Receptor <math>\alpha</math> (ROR<math>\alpha</math>). <b>Journal of Natural Products</b>, 2021, 84</li> <li>2. 2,3-Dihydro-3<math>\beta</math>-methoxy Withaferin-A Protects Normal Cells against Stress. <b>J Nat Prod</b>, 2017, 80, 2756-2760</li> </ol>

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|  | <p>3. 2, 3-Dihydro-3<math>\beta</math>-methoxy Withaferin-A Lacks Anti-Metastasis Potency: Bioinformatics and Experimental Evidences. <u>Scientific Reports</u>, 2019, 9, , 17344</p> |
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