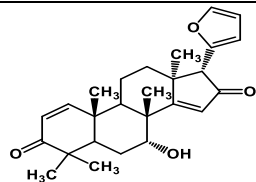


7-Deacetylazadiradione

Name of the Phytochemical	7-Deacetylazadiradione
Chemical Structure	
Botanical Source	Azadirachta indica
CAS Number	-NA-
Functional Activity	<ul style="list-style-type: none"> • Exhibits Anti-nociceptive, anti-inflammatory, cytoprotective and Anti-secretory activity • Restores Protein Quality Control • Ameliorates the Disease Pathogenesis in Huntington's disease • Alleviates dopaminergic neurodegeneration
Key References	<ol style="list-style-type: none"> 1. Azadiradione ameliorates polyglutamine expansion disease in <i>Drosophila</i> by potentiating DNA binding activity of heat shock factor 1. <i>Oncotarget</i>, 2016,7, 78281 2. Azadiradione Restores Protein Quality Control and Ameliorates the Disease Pathogenesis in a Mouse Model of Huntington's Disease. <i>Molecular Neurobiology</i>, 2018, 55, 6337 3. Gedunin and Azadiradione: Human Pancreatic Alpha-Amylase Inhibiting Limonoids from Neem (Azadirachta indica) as Anti-Diabetic Agents. <i>Plos One</i>, 2015,10, e0140113. 4. Azadiradione exerts anti-inflammatory and anti-oxidant effects, alleviates dopaminergic neurodegeneration and reduces α-synuclein levels in MPTP-induced mouse model of Parkinson's disease . Tropical Journal of Pharmaceutical Research, 2019, 18, 2331

	<ol style="list-style-type: none"> 5. Anti-nociceptive and anti-inflammatory activities of Azadirachta indica fruit skin extract and its isolated constituent azadiradione. Natural products research, 2013, 27, 1463 6. Azadiradione: a multi-targets compound with new therapeutic approach. Asian Journal of Phytomedicine and Clinical Research, 2018, 6, 115-120 7. Cytoprotective and Anti-secretory Effects of Azadiradione Isolated from the Seeds of Azadirachta indica (neem) on Gastric Ulcers in Rat Models. <u>Phytother Res.</u>, 2015, 29, 910-6 8. Cytotoxic and Apoptosis-Inducing Activities of Limonoids from the Seeds of Azadirachta indica (Neem). J. Nat. Prod.,2011, 74, 866-870
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