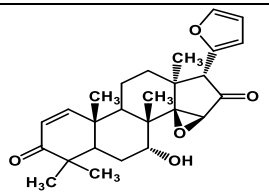
7-Deacetylepoxyazadiradione

Name of the Phytochemical	**7-Deacetylepoxyazadiradione**
Chemical Structure	
Botanical Source	Azadirachta indica
CAS Number	-NA-
Functional Activity	• Inhibition of NFkB in human cervical cancer cells • induces mitochondrial apoptosis • Suppresses breast tumor growth through mitochondrial depolarization and caspase-dependent apoptosis • Exhibits anti-plasmodial and cytotoxic activities
Key References	1. Epoxyazadiradione Purified from the Azadirachta indica Seed Induced Mitochondrial Apoptosis and Inhibition of NFκB Nuclear Translocation in Human Cervical Cancer Cells. **Phytother. Res.,2017, 31, 1892** **2.** Epoxyazadiradione suppresses breast tumor growth through mitochondrial depolarization and caspase-dependent apoptosis by targeting PI3K/Akt pathway **BMC Cancer, 2018, 18, 52**

	3. Synthesis and evaluation of anti-plasmodial and cytotoxic activities of epoxyazadiradione derivatives **European Journal of Medicinal chemistry,2017, 134, 242-257** 4. Cytotoxicity of nimbolide, epoxyazadiradione and other limonoids from neem insecticide**Life sciences, 1996, 58, 1075-81**