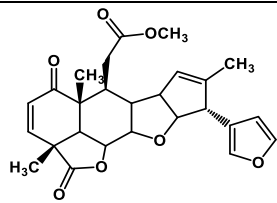


Nimbolide

Name of the Phytochemical	Nimbolide
Chemical Structure	
Botanical Source	Azadirachta Indica Leaves
CAS Number	25990-37-8
Functional Activity	<ul style="list-style-type: none"> Nimbolide exhibits anti-malarial, anti-bacterial, and anti-cancer activities
Key References	<ol style="list-style-type: none"> 1. Nimbolide epigenetically regulates autophagy and apoptosis in breast cancer, Toxicol in Vitro 2018, 51, 114-128 2. Anticancer properties of Nimbolide and pharmacokinetic considerations to accelerate its development, Oncotarget 2016, 7, 44790-44802 3. Nimbolide, a neem limonoid inhibits Phosphatidyl Inositol-3 Kinase to activate Glycogen Synthase Kinase-3β in a hamster model of oral oncogenesis, Scientific Reports, 2016, 6:22192 4. Neem compositions used for the treatment of cancer, Mayo Foundation for Medical Education and Research, WO2015035199A1 5. Nimbolide –induced oxidative stress abrogates STAT3 signaling cascade and inhibits tumor growth in transgenic adenocarcinoma of mouse prostate model, Antioxidants & Redox Signaling. 2016, 24, 575 6. Nimbolide targets BC12 and induces apoptosis in preclinical models of Waldenstroms macroglobulinemia, www.nature.com-November 10, 2014