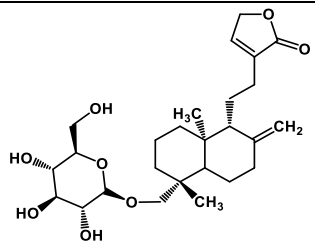


Neoandrographolide

Name of the Phytochemical	Neoandrographolide
Chemical Structure	
Botanical Source	Andrographis paniculata
CAS Number	27215-14-1
Functional Activity	<ul style="list-style-type: none">• Exert a wide range of therapeutic actions, including immunosuppressant, antithrombotic, anti-inflammatory, antineoplastic, anti-viral, anti-bacterial, anti-diabetic, anti-oxidative stress, antipyretic, anti-edematogenic, and anti-nociceptive activities• Protects the cardiovascular without significant liver damage.• Inhibits iNOS and COX-2 expression through inhibiting p38 MAPKs activation

Key References	<ol style="list-style-type: none"> 1. Neoandrographolide from <i>Andrographis paniculata</i> as a potential natural chemosensitizer. <i>Planta Med.</i> 2010, 76, 1698-70 2. Hypolipidemic effects of andrographolide and neoandrographolide in mice and rats. <i>Phytother Res.</i>, 2013, 27, 618-23 3. In vivo and in vitro anti-inflammatory activities of neoandrographolide. <i>Am J Chin Med.</i>, 2007, 35, 317-28 4. Inhibitory effects of neoandrographolide on nitric oxide and prostaglandin E2 production in LPS-stimulated murine macrophage. <i>Mol Cell Biochem.</i>, 2007, 298, 49-57 5. Cytotoxic Components Against Human Oral Squamous Cell Carcinoma Isolated from <i>Andrographis paniculata</i>. <i>Anticancer Res.</i> 2016, 36, 5931-5935 6. Carbohydrate Modifications of Neoandrographolide for Improved Reactive Oxygen Species-Mediated Apoptosis through Mitochondrial Pathway in Colon Cancer. <i>ACS Omega</i>, 2019, 4, 24, 20435–20442
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