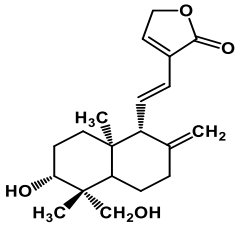
14-Deoxy-11-12-didehydroandrographolide

Name of the Phytochemical	**14-Deoxy-11, 12-didehydroandrographolide**
Chemical Structure	
Botanical Source	Andrographis paniculata
CAS Number	42895-58-9
Functional Activity	• Has hypotensive, anti-inflammatory, anti-asthma, and anti-cancer actions • Can effectively ameliorate astrocytic pro-inflammatory reactions and prevent PC12 cell death with different efficacies • It may be candidates for treatment of spinal-cord injury and neurodegeneration
Key References	1. 14-Deoxy-11,12-didehydroandrographolide inhibits proliferation and induces GSH-dependent cell death of human promonocytic leukemic cells. **J Nat Med., 2014, 68, 387-94** 2. Effects of andrographolide and 14-deoxy-11,12-didehydroandrographolide on cultured primary astrocytes and PC12 cells. **Life Sci., 2012, 90, 257-66**

	3. Cardiovascular activity of 14-deoxy-11, 12-didehydroandrographolide in the anaesthetised rat and isolated right atria. **Pharmacol Res., 1998, 38, 413-7** 4. Identification of genes involved in the regulation of 14-deoxy-11,12-didehydroandrographolide-induced toxicity in T-47D mammary cells. **Food Chem Toxicol., 2012, 50, 431-44** 5. Protective role of 14-deoxy-11,12-didehydroandrographolide, a noncytotoxic analogue of andrographolide, in allergic airway inflammation. **J Nat Prod., 2011, 74, 1484-90** 6. A Diterpenoid, 14-Deoxy-11, 12-Didehydroandrographolide, in Andrographis paniculata Reduces Steatohepatitis and Liver Injury in Mice Fed a High-Fat and High-Cholesterol Diet. **Nutrients, 2020, 12, 523** 7. 14-Deoxy-11,12-Didehydroandrographolide: A novel compound isolated from Andrographis paniculata Nees. induces robust apoptosis in leukemic cells. **Phcog Mag., 2019, 15,S135-43**