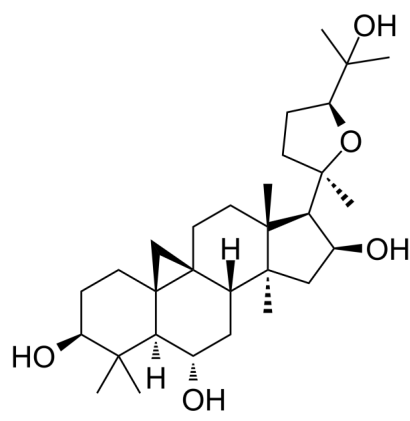
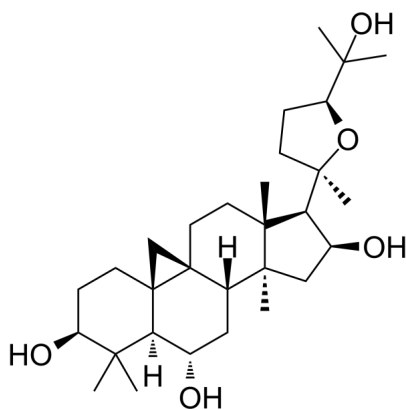


Data Sheet

Product Information

Catalog Number	BP13689
Product Name	Cycloastragenol
Description	Astramembrangenin (Cycloastragenol) is a triterpenoid saponin compound and a hydrolysis product of the main active ingredient in Astragalus membranaceus. Cycloastragenol (CAG) may have a novel therapeutic role in depression
In vitro	Cyclogalegenol has important anti-inflammatory activity by inhibiting lymphocytes activation, proliferation and cytokines expression, this effect may be related to reduction of overall intracellular Ca ²⁺ overload.
In vivo	oral administration of Cyclogalegenol for 7 days attenuated depression-like behavior in experimental mice. Cyclogalegenol stimulates telomerase activity in human neonatal keratinocytes and rat neuronal cells, and induces CREB activation followed by tert and bcl2 expression. Furthermore, Cyclogalegenol may have a novel therapeutic role in depression.
Synonyms	Astramembrangenin, Cyclogalegenol
CAS No.	78574-94-4
Chemical Formula	C ₃₀ H ₅₀ O ₅
Molecular Weight	490.72
Solubility	DMSO: 98 mg/mL (199.71 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

<p>Chemical Structure OR Tested Image</p>	 <p>The image displays a complex steroid molecule, likely a triterpene, characterized by its four-ring core and multiple functional groups. The structure includes several hydroxyl groups (OH) and a side chain with a cyclic ether. Stereochemistry is indicated by wedged and dashed bonds.</p>
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