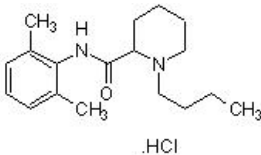


Product datasheet

Astragaloside A (Astragaloside IV), Ca²⁺ signaling modulator ab143183

Overview

Product name	Astragaloside A (Astragaloside IV), Ca ²⁺ signaling modulator
Description	Ca ²⁺ signaling modulator, antioxidant agent
Biological description	Ca ²⁺ signaling modulator, antioxidant agent. Reduces sarcoplasmic Ca ²⁺ uptake and Ca ²⁺ -ATPase activity. Enhances the action of ATP-sensitive K ⁺ channels. Increases cytosol SOD concentration. Shows anti-ischemic effects <i>in vivo</i> . Orally active.
Purity	> 98%
CAS Number	83207-58-3
Chemical structure	

Properties

Chemical name	(3β,6α,16β,24R)-20,24-Epoxy-16,25-dihydroxy-3-(β-D-xylopyranosyloxy)-9,19-cyclolanostan-6-yl-β-D-glucopyranoside
Molecular weight	784.97
Molecular formula	C ₄₁ H ₆₈ O ₁₄
PubChem identifier	122690
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	CC1(C(CCC23C1C(CC4C2(C3)CCC5(C4(CC(C5C6(CCC(O6)C)C)C

(C)O)C)O)C)C)OC7C(C(C(C(O7)CO)O)O)OC8C(C(C(CO8)O)O)O)C

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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