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**Product Data Sheet**


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Product Name: Ajugasterone C

Cat. No.: GC35274

**Chemical Properties**

Cas. No. 23044-80-6

SMILES O[C@]([C@@]1(C[C@H]2O)C)(CC[C@]1([H])[C@@](C)(O)[C@H](O)CCC(C)C([C@@]2([H])[C@@]3([C@@]4([H])C[C@@H](O)[C@@H](O)C3)C)=CC4=O

Formula C<sub>27</sub>H<sub>44</sub>O<sub>7</sub> M.Wt 480.63

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Ajugasterone C is an ecdysteroid isolated from *Leuzea carthamoides*. Ajugasterone C shows significant inhibitory effect at 100 mg/kg dose on rat paw oedema development due to Carrageenan-induced inflammation in Sprague Dawley rats[1][2].

[1]. Santagati NA, et al. Analysis of ecdysteroids by micellar electrokinetic chromatography with on-line preconcentration. *J Chromatogr A*. 2005 Jul 15;1081(1):77-86. [2]. Ochieng CO, et al. Phytoecdysteroids from the stem bark of *Vitex doniana* and their anti-inflammatory effects. *Planta Med*. 2013 Jan;79(1):52-9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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