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**Product Data Sheet**


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Product Name: Bayogenin

Cat. No.: GC35478

**Chemical Properties**

Cas. No. 6989-24-8

SMILES C[C@]1([C@@]1([H])[C@]2(C[C@H](O)[C@@H]3O)C)(CC[C@@]2([H])[C@]3(C)CO)[C@@](C4=CC1)(CC[C@]5(C(O)=O)[C@@]4([H])CC(C)(C)CC5)C

Formula C<sub>30</sub>H<sub>48</sub>O<sub>5</sub>

M.Wt

488.7

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**

Bayogenin is a triterpene that has been found in *B. perennis* and has enzyme inhibitory activity.<sup>1,2</sup> It inhibits rabbit muscle glycogen phosphorylase (IC<sub>50</sub> = 68 μM).<sup>2</sup>

1. Schepke, T., Wray, V., Kunath, A., et al. Bayogenin and asterogenic acid glycosides from *Bellis perennis* *Phytochemistry* 31(7)2555-2557(1992) 2. Wen, X.-A., Liu, J., Zhang, L.-Y., et al. Synthesis and biological evaluation of arjunolic acid, bayogenin, hederagonic acid and 4-epi-hederagonic acid as glycogen phosphorylase inhibitors *Chin. J. Nat. Med.* 8(6)441-448(2010)

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

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