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**Product Data Sheet**


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Product Name: Saikogenin D

Cat. No.: GC39053

**Chemical Properties**

Cas. No. 5573-16-0

SMILES C[C@]12[C@]3(C(C=C[C@]1([H])[C@@]4([C@@]([C@@](C)([C@@H](O)CC4)CO)([H])CC2)C)=C5[C@](CO)(CCC(C)(C)C5)[C@H](O)C3)C

Formula C<sub>30</sub>H<sub>48</sub>O<sub>4</sub>

M.Wt

472.7

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**

Saikogenin D is isolated from Bupleurum chinense, has anti-inflammatory effects. Saikogenin D activates epoxygenases that converts arachidonic acid to epoxyeicosanoids and dihydroxyeicosatrienoic acids, and the metabolites secondarily inhibit prostaglandin E2 (PGE2) production. Saikogenin D results in an elevation of [Ca<sup>2+</sup>]<sub>i</sub> due to Ca<sup>2+</sup> release from intracellular stores[1][2].

[1]. Toriniwa Y, et al. Participation of epoxygenase activation in saikogenin D-induced inhibition of prostaglandin E(2) synthesis. J Pharm Pharmacol. 2006 Jun;58(6):859-66. [2]. Kodama Y, et al. Dual effect of saikogenin D: in vitro inhibition of prostaglandin E2 production and elevation of intracellular free Ca<sup>2+</sup> concentration in C6 rat glioma cells. Planta Med. 2003 Aug;69(8):765-7.

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

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