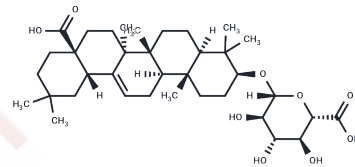


## Calenduloside E

## Chemical Properties

CAS No. :	26020-14-4
Formula:	C <sub>36</sub> H <sub>56</sub> O <sub>9</sub>
Molecular Weight:	632.82
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Calenduloside E (Silphioside F) is a pentacyclic triterpene saponin extracted from <i>Panax japonicus</i> . It targets heat shock protein 90 (Hsp90) and has anti-apoptotic effect.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others,Calcium Channel,Reactive Oxygen Species,AMPK,STAT,Pyroptosis,Interleukin,JAK,PPAR,ROS,TNF

## Solubility Information

Solubility	DMSO: 75 mg/mL (118.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5802 mL	7.9011 mL	15.8023 mL
5 mM	0.316 mL	1.5802 mL	3.1605 mL
10 mM	0.158 mL	0.7901 mL	1.5802 mL
50 mM	0.0316 mL	0.158 mL	0.316 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Matsuda, H., et al.: Chem. Pharma. Bull., 46, 1399 (1998);  
 Kiełkiewicz R M, Obrębski M, Śliwińska A A, et al.Detailed qualitative and quantitative UHPLC-DAD-ESI-MS3 analysis of *Aralia spinosa* L.(Araliaceae) phytochemical profile to evaluate its potential as novel plant material for bioactive compounds acquisition using in vitro culture.Industrial Crops and Products.2024, 219: 119123.  
 Matsuda, H., et al.: Biol. Pharma. Bull., 20, 717 (1997)

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