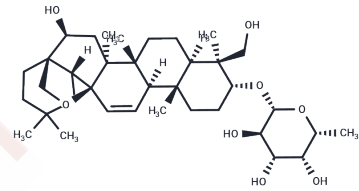


## Prosaikogenin G

## Chemical Properties

CAS No. :	99365-23-8
Formula:	C <sub>36</sub> H <sub>58</sub> O <sub>8</sub>
Molecular Weight:	618.84
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Prosaikogenin G is a compound isolated from the roots of <i>Bupleurum bicaule</i> Helm (Apiaceae) and is a derivative of Saikosaponin d in the gastrointestinal tract, exhibiting a significant inhibitory effect on angiotensin II-induced proliferation of mesangial
Targets(IC50)	RAAS
In vitro	Prosaikogenin G holds a protective effect on the kidney for their down-regulated activity to angiotensin II (1 μM)-induced rat mesangial cell line (MC) proliferation at concentration of 25 or 50 μM, and does not rendered injury to the normal MC [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6159 mL	8.0796 mL	16.1593 mL
5 mM	0.3232 mL	1.6159 mL	3.2319 mL
10 mM	0.1616 mL	0.808 mL	1.6159 mL
50 mM	0.0323 mL	0.1616 mL	0.3232 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

- Pei Yu, et al. In vitro metabolism study of saikosaponin d and its derivatives in rat liver microsomes. *Xenobiotica*. 2017 Jan;47(1):11-19.
- Nan Xu, et al. A new saikogenin from the roots of *Bupleurum bicaule*. *Chin J Nat Med*. 2014 Apr;12(4):305-8.

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