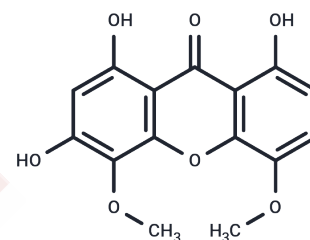


## Corymbiferin

## Chemical Properties

CAS No. :	5042-09-1
Formula:	C <sub>15</sub> H <sub>12</sub> O <sub>7</sub>
Molecular Weight:	304.25
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	Corymbiferin, a chemical compound, exhibits significant anti-diabetic properties by enhancing antioxidant capacity and carbohydrate metabolism in diabetic rodents. In addition, Corymbiferin promotes the improvement of histopathology in both the liver and pancreatic $\beta$ cells.
Targets(IC50)	Others
In vivo	Administering Corymbiferin to male Wistar rats at a dosage of 40 mg/kg orally significantly lowers the fasting blood glucose (FBG) level, closely mirroring the beneficial impact observed with metformin in diabetic rats[1]. Furthermore, a higher dose of Corymbiferin (400 mg/kg; orally) markedly decreases the blood glucose level and demonstrates an efficacy akin to that of metformin in the oral glucose tolerance test (OGTT)[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

Liu Z, et al. Hypoglycemic Activity and Antioxidative Stress of Extracts and Corymbiferin from *Swertia bimaculata* In Vitro and In Vivo. *Evid Based Complement Alternat Med.* 2013;2013:125416.

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