

## Bilobetin

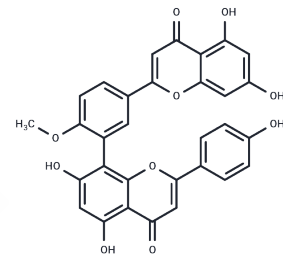
## Chemical Properties

CAS No. : 521-32-4

Formula: C<sub>31</sub>H<sub>20</sub>O<sub>10</sub>

Molecular Weight: 552.48

Storage: Keep away from direct sunlight, Store at low temperature, Keep away from moisture  
 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	Bilobetin ameliorates insulin resistance by PKA-mediated phosphorylation of PPAR $\alpha$ in rats fed a high-fat diet.
Targets(IC <sub>50</sub> )	ERK,Akt,p38 MAPK,PKA,PPAR

## Solubility Information

Solubility	DMSO: 150 mg/mL (271.5 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	1.810 mL	9.0501 mL	18.1002 mL
5 mM	0.362 mL	1.810 mL	3.620 mL
10 mM	0.181 mL	0.905 mL	1.810 mL
50 mM	0.0362 mL	0.181 mL	0.362 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

Kou XH, et al. Bilobetin ameliorates insulin resistance by PKA-mediated phosphorylation of PPAR $\alpha$  in rats fed a high-fat diet. Br J Pharmacol. 2012 Apr; 165(8):2692-706.

Xiao Y, Cai G P, Feng X, et al. Splicing factor YBX1 regulates bone marrow stromal cell fate during aging. The EMBO Journal. 2023: e111762.

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