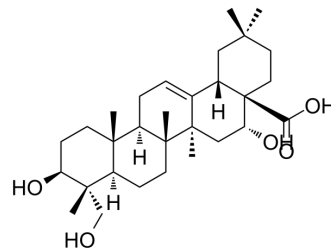


Caulophyllogenin

Cat. No.:	HY-N7687
CAS No.:	52936-64-8
Molecular Formula:	C ₃₀ H ₄₈ O ₅
Molecular Weight:	488.7
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Caulophyllogenin is a triterpene saponin extracted from <i>M. polymorpha</i> . Caulophyllogenin is a partial PPAR γ agonist, with an EC ₅₀ of 12.6 μ M. Caulophyllogenin can be used for the research of type-2 diabetes, obesity, metabolic syndrome and inflammation ^{[1][2]} .
IC ₅₀ & Target	PPAR γ 12.6 μ M (EC50)

REFERENCES

[1]. Montanari R, et, al. Screening of saponins and sapogenins from *Medicago* species as potential PPAR γ agonists and X-ray structure of the complex PPAR γ /caulophyllogenin. *Sci Rep.* 2016 Jun 10; 6:27658.

[2]. Zhang Y, et, al. Studies on cytotoxic triterpene saponins from the leaves of *Aralia elata*. *Food Chem.* 2013 May 1;138(1):208-13.

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

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