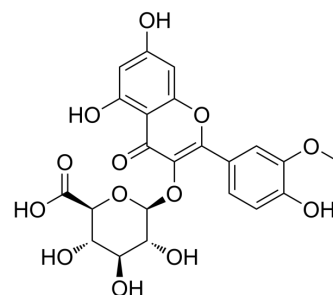


Isorhamnetin 3-glucuronide

Cat. No.:	HY-126423
CAS No.:	36687-76-0
Molecular Formula:	C ₂₂ H ₂₀ O ₁₃
Molecular Weight:	492.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Isorhamnetin 3-glucuronide is a potent anticancer agent. Isorhamnetin 3-glucuronide shows anti-proliferative activity. Isorhamnetin 3-glucuronide induces Apoptosis and cell cycle arrest at S-phase ^[1] .
In Vitro	Isorhamnetin 3-glucuronide (0-100 μM; 48 h) shows anti-proliferative activity in a dose-dependent manner for MCF-7 cells ^[1] . Isorhamnetin 3-glucuronide (0-100 μM; 48 h) induces apoptosis and cell cycle arrest at S-phase in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay ^[1]
	Cell Line: MCF-7 cells
	Concentration: 0, 25, 50, 100 μM
	Incubation Time: 48 h
	Result: Inhibited cell proliferation in a dose-dependent manner.
	Apoptosis Analysis ^[1]
	Cell Line: MCF-7 cells
	Concentration: 25, 100 μM
	Incubation Time: 48 h
	Result: Induced apoptosis with the rate of 16.8%, 49.8% at 25, 100 μM, respectively.
Cell Cycle Analysis ^[1]	
Cell Line: MCF-7 cells	
Concentration: 0, 50, 100 μM	
Incubation Time: 48 h	
Result: Induced cell cycle arrest at S-phase.	

REFERENCES

[1]. Wu Q, et al. Differential Effects of Quercetin and Two of Its Derivatives, Isorhamnetin and Isorhamnetin-3-glucuronide, in Inhibiting the Proliferation of Human Breast-Cancer MCF-7 Cells. J Agric Food Chem. 2018 Jul 11;66(27):7181-7189.

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

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