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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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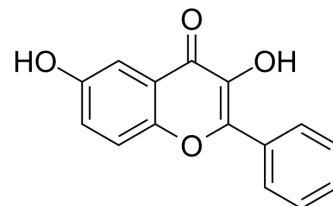
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3,6-Dihydroxyflavone

Cat. No.:	HY-N8481
CAS No.:	108238-41-1
Molecular Formula:	C ₁₅ H ₁₀ O ₄
Molecular Weight:	254.24
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 66.67 mg/mL (262.23 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.9333 mL	19.6665 mL	39.3329 mL	
		5 mM	0.7867 mL	3.9333 mL	7.8666 mL	
	10 mM	0.3933 mL	1.9666 mL	3.9333 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline					
	Solubility: ≥ 2.5 mg/mL (9.83 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	3,6-Dihydroxyflavone is an anti-cancer agent. 3,6-Dihydroxyflavone dose- and time-dependently decreases cell viability and induces apoptosis by activating caspase cascade, cleaving poly (ADP-ribose) polymerase (PARP). 3,6-Dihydroxyflavone increases intracellular oxidative stress and lipid peroxidation ^[1] .
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REFERENCES

[1]. Chang H, et al. 3,6-Dihydroxyflavone induces apoptosis in leukemia HL-60 cell via reactive oxygen species-mediated p38 MAPK/JNK pathway. Eur J Pharmacol. 2010;648(1-3):31-38.

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

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