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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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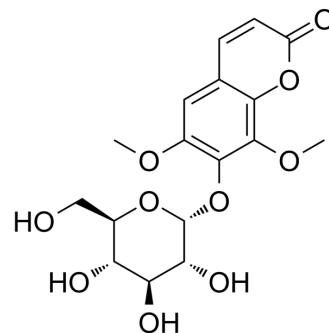
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Eleutheroside B1

Cat. No.:	HY-135646
CAS No.:	16845-16-2
Molecular Formula:	C ₁₇ H ₂₀ O ₁₀
Molecular Weight:	384.33
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Eleutheroside B1, a coumarin compound, has a wide spectrum of anti-human influenza virus efficacy, with an IC ₅₀ value of 64-125 µg/ml. Eleutheroside B1 mediates its anti-influenza activity through POLR2A and N-glycosylation. Eleutheroside B1 inhibits the mRNA expression of several chemokine genes and the influenza nucleoprotein (NP) gene, and exhibits low cytotoxicity. Antiviral and anti-inflammatory activities ^[1] .	
In Vitro	Eeutheroside B1 (100 µg/ml; 24 hours) influences mRNA expression of host genes and virus genes in A549 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	RT-PCR ^[1]	
	Cell Line:	Virus-infected A549 cells
	Concentration:	100 µg/ml
	Incubation Time:	24 hours
	Result:	The expression of host genes (MAN2A2, POLR2A) and virus genes (PA, PB1, PB2, HA) were decreased.

REFERENCES

[1]. Yan W, et al. Eleutheroside B1 mediates its anti-influenza activity through POLR2A and N-glycosylation. Int J Mol Med. 2018 Nov;42(5):2776-2792.

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

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