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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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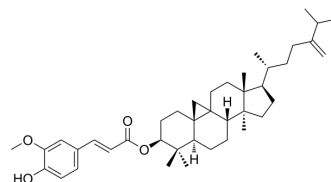
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24-Methylenecycloartanyl ferulate

Cat. No.:	HY-N8122
CAS No.:	469-36-3
Molecular Formula:	C ₄₁ H ₆₀ O ₄
Molecular Weight:	617
Target:	Akt
Pathway:	PI3K/Akt/mTOR
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 12.5 mg/mL (20.26 mM) * "≥" means soluble, but saturation unknown.					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.6207 mL	8.1037 mL	16.2075 mL
			5 mM	0.3241 mL	1.6207 mL	3.2415 mL
			10 mM	0.1621 mL	0.8104 mL	1.6207 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.03 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	24-Methylenecycloartanyl ferulate is a γ -oryzanol compound. 24-Methylenecycloartanyl ferulate promotes parvin-beta expression in human breast cancer cells. 24-Methylenecycloartanyl ferulate is a potential ATP-competitive Akt1 inhibitor (EC ₅₀ = 33.3 μ M) ^[1] .
IC ₅₀ & Target	Akt1 33.3 μ M (EC ₅₀)

REFERENCES

[1]. Heon Woong Kim, et al. 24-Methylenecycloartanyl ferulate, a major compound of γ -oryzanol, promotes parvin-beta expression through an interaction with peroxisome proliferator-activated receptor-gamma 2 in human breast cancer cells. *Biochem Biophys Res Commun.* 2015 Dec 25;468(4):574-9.

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

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