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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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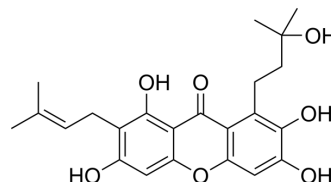
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Garcinone C

Cat. No.:	HY-N6954
CAS No.:	76996-27-5
Molecular Formula:	C ₂₃ H ₂₆ O ₇
Molecular Weight:	414.45
Target:	ATM/ATR; STAT; CDK
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (241.28 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4128 mL	12.0642 mL	24.1284 mL
				5 mM	0.4826 mL	2.4128 mL	4.8257 mL
				10 mM	0.2413 mL	1.2064 mL	2.4128 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Garcinone C, a xanthone derivative, is a natural compound extracted from <i>Garcinia oblongifolia</i> that is used as an anti-inflammatory, astringency and granulation-promoting medicine, and has potential cytotoxic effects on certain cancers. Garcinone C stimulates the expression levels of ATR and 4E-BP1, while efficiently inhibiting the expression levels of cyclin B1, cyclin D1, cyclin E2, cdc2, Stat3 and CDK7. Garcinone C significantly inhibits cell viability of the human Nasopharyngeal carcinoma (NPC) cell lines CNE1, CNE2, HK1 and HONE1 in a time- and dose-dependent manner ^[1] .		
IC ₅₀ & Target	ATR	Stat-3	CDK7

CUSTOMER VALIDATION

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- Food Anal Methods. 2023 May 9.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Xia Y, et al. Garcinone C exerts antitumor activity by modulating the expression of ATR/Stat3/4E BP1 in nasopharyngeal carcinoma cells. Oncol Rep. 2018 Mar;39(3):1485-1493.

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

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