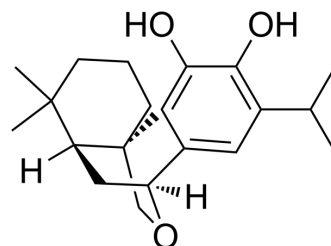


20-Deoxocarnosol

Cat. No.:	HY-122944
CAS No.:	94529-97-2
Molecular Formula:	C ₂₀ H ₂₈ O ₃
Molecular Weight:	316.43
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	20-Deoxocarnosol (compound 7) is a potent anti-cancer agent that can be found in the roots of <i>Salvia deserti</i> . 20-Deoxocarnosol shows cytotoxicity in cancer cells ^[1] .	
In Vitro	Deoxocarnosol (compound 7) (0-40 μM) shows cytotoxicity with IC ₅₀ values of 40, 32.70, 15.15, 40, 24.79, 40 μM for :A549, SMMC-7721, HL-60, MCF-7, SW480, BEAS-2B cells, respectively ^[1] .	
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Viability Assay ^[1]	
	Cell Line:	A549, SMMC-7721, HL-60, MCF-7, SW480, BEAS-2B cells
	Concentration:	0-40 μM
	Incubation Time:	
Result:	Showed cytotoxicity with IC ₅₀ values of 40, 32.70, 15.15, 40, 24.79, 40 μM for :A549, SMMC-7721, HL-60, MCF-7, SW480, BEAS-2B cells, respectively.	

REFERENCES

[1]. Guijuan Zheng, et al. Spirodesertols A and B, two highly modified spirocyclic diterpenoids with an unprecedented 6-isopropyl-3H-spiro[benzofuran-2,1'-cyclohexane] motif from *Salvia deserti*. *Org. Chem. Front.*, 2020,7, 3137-3145.

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

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