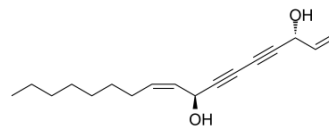


(+)-(3R,8S)-Falcarindiol

Cat. No.:	HY-N1976		
CAS No.:	225110-25-8		
Molecular Formula:	C ₁₇ H ₂₄ O ₂		
Molecular Weight:	260.37		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(+)-(3R,8S)-Falcarindiol is a polyacetylene found in carrots, has antimycobacterial activity, with an IC ₅₀ of 6 μM and MIC of 24 μM against Mycobacterium tuberculosis H37Ra ^{[1][2]} . Antineoplastic and anti-inflammatory activity ^[2] .
IC ₅₀ & Target	IC ₅₀ : 6 μM (Mycobacterium tuberculosis H37Ra) ^[1]

REFERENCES

- [1]. O'Neill T, et al. The Canadian medicinal plant *Heracleum maximum* contains antimycobacterial diynes and furanocoumarins. *J Ethnopharmacol.* 2013 May 2;147(1):232-7.
- [2]. Kobaek-Larsen M, et al. Effect of the dietary polyacetylenes falcarinol and falcarindiol on the gut microbiota composition in a rat model of colorectal cancer. *BMC Res Notes.* 2018 Jun 27;11(1):411.

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

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