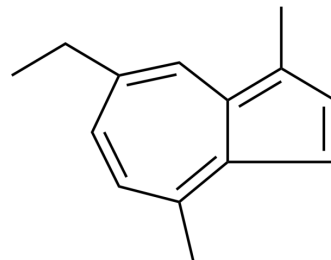


Chamazulene

Cat. No.:	HY-121038
CAS No.:	529-05-5
Molecular Formula:	C ₁₄ H ₁₆
Molecular Weight:	184.28
Target:	Leukotriene Receptor; MMP; NF-κB
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease; NF-κB
Storage:	-20°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	Chamazulene, a natural compound, is an antioxidant-type inhibitor of leukotriene B ₄ formation ^[1] .	
IC ₅₀ & Target	MMP9	MMP3

REFERENCES

- [1]. H Safayhi, et al. Chamazulene: an antioxidant-type inhibitor of leukotriene B₄ formation. *Planta Med.* 1994 Oct;60(5):410-3.
- [2]. Andrea Capuzzo, et al. Antioxidant and radical scavenging activities of chamazulene. *Nat Prod Res.* 2014;28(24):2321-3.
- [3]. Ding Ma, et al. Chamazulene reverses osteoarthritic inflammation through regulation of matrix metalloproteinases (MMPs) and NF-κB pathway in in-vitro and in-vivo models. *Biosci Biotechnol Biochem.* 2020 Feb;84(2):402-410.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA