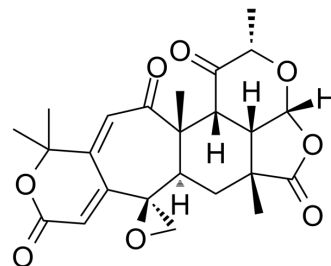


Berkeleyacetal C

Cat. No.:	HY-N10175
CAS No.:	959772-67-9
Molecular Formula:	C ₂₄ H ₂₆ O ₈
Molecular Weight:	442.46
Target:	Fungal; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Berkeleyacetal C, a meroterpenoid compound, shows favorable activity of inhibiting nitrogen oxide (NO) production of macrophages stimulated by lipopolysaccharide (LPS). Berkeleyacetal C exerts anti-inflammatory effects via inhibiting NF-κB, ERK1/2 and IRF3 signaling pathways ^[1] .
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

- [1]. Márquez-Cadena MA, et al. Synthetic Studies toward the Berkeleyacetal Core Architecture. *Org Lett.* 2021 Nov 15.
- [2]. Li SS, et al. Berkeleyacetal C, a meroterpenoid isolated from the fungus *Penicillium purpurogenum* MHZ 111, exerts anti-inflammatory effects via inhibiting NF-κB, ERK1/2 and IRF3 signaling pathways. *Eur J Pharmacol.* 2017;814:283-293.

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 Q, Monmouth Junction, NJ 08852, USA