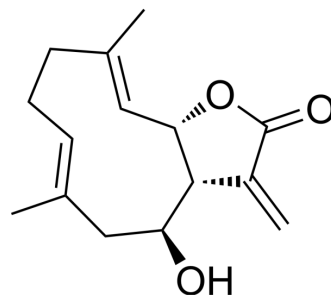


Neobritannilactone B

Cat. No.:	HY-N10791
CAS No.:	886990-00-7
Molecular Formula:	C ₁₅ H ₂₀ O ₃
Molecular Weight:	248.32
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Neobritannilactone B, a sesquiterpene, can be isolated from the chloroform fraction of the *I. britannica*. Neobritannilactone B is cytotoxic. Other extracts of *I. britannica* are also Dihydrofolate reductase (DHFR) inhibitors, which inhibit *Shigella dysenteriae* type 1^{[1][2]}.

REFERENCES

[1]. Choo SJ, et al. Hypo-pigmenting effect of sesquiterpenes from *Inula britannica* in B16 melanoma cells. *Arch Pharm Res.* 2014 May;37(5):567-74.

[2]. Jose S, et al. Phytochemical constituents of *Inula britannica* as potential inhibitors of dihydrofolate reductase: A strategic approach against shigellosis. *J Biomol Struct Dyn.* 2022;40(22):11932-11947.

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