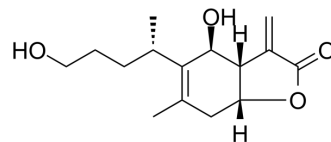


Britannilactone

Cat. No.:	HY-N0895
CAS No.:	33620-72-3
Molecular Formula:	C ₁₅ H ₂₂ O ₄
Molecular Weight:	266.33
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (18.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7547 mL	18.7737 mL	37.5474 mL
	5 mM	0.7509 mL	3.7547 mL	7.5095 mL
	10 mM	0.3755 mL	1.8774 mL	3.7547 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Britannilactone(Desacetylinulicin) is a methanol extract of the dried flower of *Inula britannica* L. IC₅₀ value: Target: A bioassay-guided isolation of the chloroform fraction of the *I. britannica* using an in vitro melanogenesis inhibition assay led to the isolation of sesquiterpenes, 1-O-acetylbritannilactone (1), britannilactone (2) and neobritannilactone B (3). Compounds 1 and 2 significantly reduced melanin production in a dose-dependent manner with IC₅₀ values of 13.3 and 15.5 μM, respectively [1].

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.

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

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