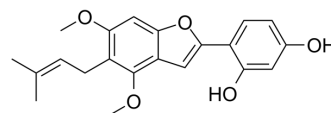


Gancaonin I

Cat. No.:	HY-N3921
CAS No.:	126716-36-7
Molecular Formula:	C ₂₁ H ₂₂ O ₅
Molecular Weight:	354.4
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 : 1 mg/mL (2.82 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8217 mL	14.1084 mL	28.2167 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Gancaonin I, an Isoflavone, exhibits moderate inhibition on human carboxylesterase 2 (hCES2A) with IC₅₀ of 1.72 μM. Gancaonin I inhibits hCES2A-mediated fluorescein diacetate (FD) hydrolysis^[1].

REFERENCES

[1]. Yun-Qing Song, et al. Discovery of hCES2A inhibitors from Glycyrrhiza inflata via combination of docking-based virtual screening and fluorescence-based inhibition assays. Food Funct. 2021 Jan 7;12(1):162-176.

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