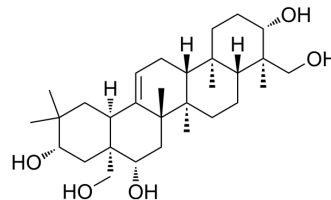


Gymnestrogenin

Cat. No.:	HY-N2273
CAS No.:	19942-02-0
Molecular Formula:	C ₃₀ H ₅₀ O ₅
Molecular Weight:	490.72
Target:	LXR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Gymnestrogenin is a pentahydroxytriterpene from the leaves of <i>Gymnema sylvestre</i> R.Br ^[1] . Gymnestrogenin is a LXR antagonist with IC ₅₀ s of 2.5 and 1.4 μM for LXRα and LXRβ transactivation, respectively. Gymnestrogenin reduces the transcriptional activity of LXR even on its own promoter, thus reducing the mRNA expression ^[2] .
IC₅₀ & Target	IC ₅₀ : 2.5 μM (LXRα) and 1.4 μM (LXRβ) ^[2]
In Vitro	Gymnestrogenin, reducing the expression of SREBP1c and ABCA1 in vitro, is able to decrease lipid accumulation in HepG2 cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Stöcklin W, et al. [Gymnestrogenin, a new pentahydroxytriterpene from the leaves of *Gymnema sylvestre* R.Br]. *Helv Chim Acta*. 1968;51(6):1235-42.
- [2]. Renga B, et al. Molecular decodification of gymnemic acids from *Gymnema sylvestre*. Discovery of a new class of liver X receptor antagonists. *Steroids*. 2015 Apr;96:121-31.

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