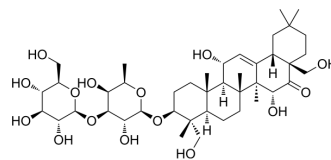


Tibesaikosaponin V

Cat. No.:	HY-N11507
CAS No.:	2319668-87-4
Molecular Formula:	C ₄₂ H ₆₈ O ₁₅
Molecular Weight:	812.98
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tibesaikosaponin V (TKV) is a triterpene diglycoside, which can be isolated from the methanol extract of the roots of <i>Bupleurum chinense</i> DC.. Tibesaikosaponin V inhibits lipid accumulation and triacylglycerol content occurred without cytotoxicity to adipocytes. Tibesaikosaponin V suppresses the mRNA expression of nuclear transcription factors, such as peroxisome proliferator-activated receptor γ (PPAR γ) and CCAAT/enhancer binding protein α (C/EBP α). Tibesaikosaponin V inhibits 3T3-L1 preadipocyte differentiation. Tibesaikosaponin V can be used for research of obesity and its associated metabolic disorders ^[1] .
IC₅₀ & Target	PPAR γ

REFERENCES

[1]. Feng Y, et al. A new triterpene diglycoside from the roots of *Bupleurum chinense* DC. and its inhibitory effect on adipogenesis in 3T3-L1 cells[J]. *Medicinal Chemistry Research*, 2019, 28: 239-245.

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