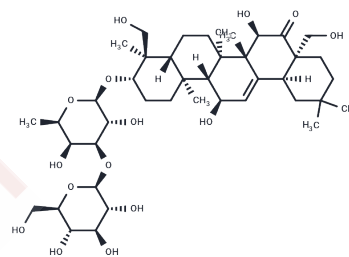


Tibesaikosaponin V

Chemical Properties

CAS No. :	2319668-87-4
Formula:	C42H68O15
Molecular Weight:	812.98
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tibesaikosaponin V (TKV), a triterpene diglycoside isolated from the methanol extract of Bupleurum chinense DC roots, effectively inhibits lipid accumulation and triacylglycerol content in adipocytes without inducing cytotoxicity. It suppresses mRNA expression of nuclear transcription factors, including peroxisome proliferator-activated receptor γ (PPAR γ) and CCAAT/enhancer binding protein α (C/EBP α), and impedes 3T3-L1 preadipocyte differentiation. Considering these properties, Tibesaikosaponin V is a promising compound for researching obesity and related metabolic disorders [1].
Targets(IC50)	Others,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.230 mL	6.1502 mL	12.3004 mL
5 mM	0.246 mL	1.230 mL	2.4601 mL
10 mM	0.123 mL	0.615 mL	1.230 mL
50 mM	0.0246 mL	0.123 mL	0.246 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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