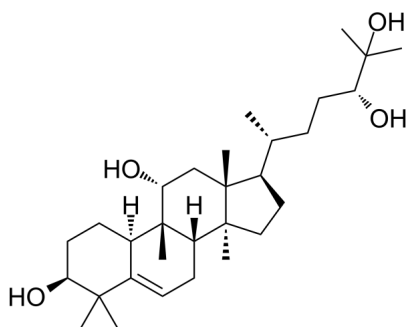


Data Sheet

Product Information

Catalog Number	BP15254
Product Name	Mogrol
Description	Mogrol is a biometabolite of mogrosides. Mogrol acts via inhibition of the ERK1/2 and STAT3 pathways, or reducing CREB activation and activating AMPK signaling.
In vitro	Mogrol, but not mogrosides, suppressed triglyceride accumulation by affecting early (days 0-2) and late (days 4-8), but not middle (days 2-4), differentiation stages. At the late stage, mogrol increased AMP-activated protein kinase (AMPK) phosphorylation and reduced glycerol-3-phosphate dehydrogenase activity. At the early stage, mogrol promoted AMPK phosphorylation, inhibited the induction of CCAAT/enhancer-binding protein β (C/EBP β ; a master regulator of adipogenesis), and reduced 3T3-L1 cell contents (e.g., clonal expansion). In addition, mogrol, but not the AMPK activator AICAR, suppressed the phosphorylation and activity of the cAMP response element-binding protein (CREB), which regulates C/EBP β expression. Mogrol suppressed adipogenesis by reducing CREB activation in the initial stage of cell differentiation and by activating AMPK signaling in both the early and late stages of this process.
CAS No.	88930-15-8
Chemical Formula	C ₃₀ H ₅₂ O ₄
Molecular Weight	476.742
Solubility	DMSO: 110 mg/mL (230.74 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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