

Catalog Number: CM06579

产品信息

Catalog Number:
CM06579

CAS号:
77-60-1

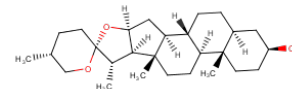
分子式:
 $C_{27}H_{44}O_3$

主要靶点:
Others

主要通路:
其他

分子量:
416.64

溶解度:
DMSO:Insoluble,H2O:Insoluble



体外活性

Tigogenin enhanced the proliferation of BMSCs significantly. Tigogenin treatment reduced the adipogenic induction of lipid accumulation, visfatin secretion, and the expressions of peroxisome proliferation-activated receptor (PPAR)gamma2 and adipocyte fatty acid-binding protein (ap)2. Moreover, tigogenin had no effect on the mitotic clonal expansion. On the other hand, tigogenin significantly elevated alkaline phosphatase (ALP) activity and the expressions of Cbfa1, collagen type I (COL I) and osteocalcin (OCN), as well as the content of matrix calcium in BMSCs[1].

描述

Tigogenin is one of steroidal sapogenins which is widely used for synthesizing steroid drugs. It might have protective effect on bone and be helpful in preventing the development of osteoporosis.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years