

Product Name	: Alisol B
Synonyms	: —
Cat No.	: M20406
CAS Number	: 18649-93-9
Molecular Formula	: C ₃₀ H ₄₈ O ₄
Formula Weight	: 472.7
Chemical Name	: —
Description	Alisol B may be a potential novel therapeutic molecule for bone disorders through targeting the differentiation of osteoclasts as well as their functions. Alisol B also inhibited RANKL-induced expression of NFATc1 and c-Fos which are key transcription factors for osteoclastogenesis.
Pathway	: Others
Target	: Other Targets
Receptor	: RANKL
Solubility	: DMSO:95 mg/mL (200.97 mM)
SMILES	: <chem>[H][C@@]1(OC1(C)C)[C@@H](O)C[C@@H](C)C1=C2C[C@H](O)[C@@]3([H])[C@@]4(C)CCC(=O)C(C)(C)[C@]4([H])CC[C@]3(C)[C@@]2(C)CC1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Lee J W Kobayashi Y Nakamichi Y et al. Alisol-B a novel phyto-steroid suppresses the RANKL-induced osteoclast formation and prevents bone loss in mice[J]. Biochemical Pharmacology 2010 80(3):352-361.