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DATASHEET

Asiaticoside

Product overview

Name	Asiaticoside
Cat No	HB3772
Purity	>95%
Description	Suppresses collagen expression

Biological Data

Biological description	Antibacterial. Human collagen I synthesis inducer. Anti-wrinkle activity. Shows wound healing activity. Enhances normal human skin cell migration, attachment and growth. Suppresses collagen expression and TGF-beta/Smad signaling by inducing Smad7 and inhibiting TGF-betaRI and TGF-betaRII. Anti-inflammatory. Anti-gastric ulcer. Mitogen-activated protein kinases (MAPKs), nuclear factor-kappaB (NF-kappaB), cyclooxygenase-2 (COX-2) and inducible nitric oxide synthase (iNOS; NOSII) expression, production of serum tumor necrosis factor (TNF-alpha) and interleukin-6 (IL-6) inhibitor. Apoptosis inducer in cancer cells. Enhances antitumor activity of vincristine in cancer cells. Might be useful in cancer chemotherapy. Anxiolytic. Antidepressant-like activity. Hepatoprotective effects. CYP2C19 and CYP3A4 inhibitor. Neuroprotective. Antileishmanial activity. cPLA2 and sPLA2 inhibitor.
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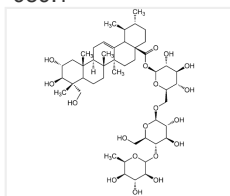
Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight
Chemical structure

959.1



CAS Number
PubChem identifier
SMILES

16830-15-2
0

C[C@H]1CC[C@@]2(CC[C@]3(C)C(=CCC4[C@@]5(C)C[C@H](O)[C@@H](O)[C@@](C)(CO)C5CC[C@@]34C)[C@H]2[C@H]1C)C(=O)OC6OC(COC7OC(CO)C(OC8OC(C)C(O)C(O)C8O)C(O)C7O)C(O)C6O

InChiKey
Appearance

WYQVAPGDARQUBT-NXDSUYQXBS
White solid