Hello Bio. Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



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. Antiinflammatory. 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.

Solubility & Handling

Storage instructions

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 16830-15-2

CAS Number PubChem identifier SMILES

)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)C(O)C6O

InChiKey Appearance WYQVAPGDARQUBT-NXDSUYQXBS

White solid