

Product Name : Hamaudol

Synonyms : —

Cat No. : M22813

CAS Number : 735-46-6

Molecular Formula : C₁₅H₁₆O₅

Formula Weight : 276.3

Chemical Name : —

Description : Hamaudol is a chromone isolated from *Saposhnikovia divaricata*, has analgesic and anti-inflammatory activities, it showed inhibitory activity on COX-1 and COX-2 activities with values of 0.30, 0.57 mM, respectively. The CHCl₃ extract of the root of *Angelica japonica* showed high inhibitory activity against human gastric adenocarcinoma (MK-1) cell growth. From this extract, a new furanocoumarin named japoangelone and four furanocoumarin ethers of falcarindiol, named japoangelols A-D, were isolated together with caffeic acid methyl ester, four polyacetylenic compounds (panaxynol, falcarindiol, 8-O-acetylfalcarindiol, and (9Z)-1,9-heptadecadiene-4,6-diyne-3,8,11-triol), eight coumarins (osthol, isoimperatorin, scopoletin, byakangelicin, xanthotoxin, bergapten, oxypeucedanin methanolate, and oxypeucedanin hydrate), and two chromones (3'-O-acetylHamaudol, and Hamaudol).

Pathway : Chromatin/Epigenetic

Target : COX

Receptor : COX-1; COX-2

Solubility : —

SMILES : OC1=C2C(OC(C)(C)[C@@H](O)C2)=CC3=C1C(C=C(C)O3)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Antiproliferative constituents from umbelliferae plants. V. A new furanocoumarin and falcarindiol furanocoumarin ethers from the root of *Angelica japonica*. Chem Pharm Bull (Tokyo). 1999 Jan;47(1):96-100.