

Windows taskbar: hp, Chrome, S, File Explorer, Word, PDF Reader, System tray: 12:23, 28/08/2018

Browser tabs: Catia, La Re, Caixa, Facet, Gam, E-Se, catia, Carre, Man, Web, InCiti, Cucu, Caba

Address bar: <https://www.ncbi.nlm.nih.gov/pubmed/19795842>

Page Header: NCBI Resources How To Not signed

Search bar: PubMed Advanced Search

Format: Abstract - Send to -

J Natl Prod. 2009 Nov;72(11):2009-13. doi: 10.1021/np900457u.

Cucurbitane-type triterpenoids from the African plant *Momordica balsamina*.

Ramalhete C¹, Mansoor TA, Mulhovo S, Molnár J, Ferreira MJ.

Author information

Abstract
Phytochemical investigation of the aerial parts of *Momordica balsamina* led to the isolation of five new cucurbitane-type triterpenoids (1-5) and two known analogues (6, 7). Their structures were elucidated on the basis of spectroscopic methods including 2D NMR experiments (COSY, HMQC, HMBC, and NOESY). The new compounds feature unusual oxidation patterns in the cucurbitane skeleton, such as at C-29 (1-3) and C-12 (4, 5). Compounds 1-4, 6, and 7 were evaluated for in vitro cytotoxicity against human breast cancer cells (MCF-7), using the MTT assay.

PMID: 19795842 DOI: 10.1021/np900457u
[Indexed for MEDLINE]

Publication type, MeSH terms, Substances +

LinkOut - more resources +

Full text links
ACS Publications

Save items
Add to Favorites

Similar articles
New antimalarials with a triterpenic scaffold from *Momordica balsamina*. [BIOORG Med Chem. 2010]
Cucurbitane-type triterpenoids from the stems and leaves of *Momordica char.* [Fitoterapia. 2014]
New potent P-glycoprotein modulators with the cucurbitane scaffold an [BIOORG Med Chem. 2009]
Review A review of ergostane and cucurbitane triterpenoids of mushroom c [Nat Prod Res. 2014]
Review Boswellic acids: a group of medically important compounds. [Nat Prod Rep. 2009]
See reviews...
See all...