

Novas saponinas triterpenos do *Gynostemma pentaphyllum* – 3 trabalhos

Two new triterpene saponins from *Gynostemma pentaphyllum*.

[Shi L](#), [Lu F](#), [Zhao H](#), [Zhao YQ](#).

[J Asian Nat Prod Res](#). 2012;14(9):856-61. doi: 10.1080/10286020.2012.700925. Epub 2012 Aug 28.

Source

College of Food Science, Shenyang Agriculture University, Shenyang, China.

Abstract

Two new dammarane-type triterpene saponins, gypenbiosides A (1) and B (2), were isolated from the aerial parts of *Gynostemma pentaphyllum* (Thunb.) Makino. Their structural elucidations were accomplished mainly on the basis of the interrelation of spectroscopic methods, such as IR, HR-TOF-MS, and NMR. The cytotoxic activity was evaluated against one human cancer cell line HL-60 using 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide assay.

PMID:22924674

A new triterpenoid saponin from *Gynostemma pentaphyllum*.

[Shi L](#), [Meng XJ](#), [Cao JQ](#), [Zhao YQ](#).

[Nat Prod Res](#). 2012;26(15):1419-22. doi: 10.1080/14786419.2011.599807. Epub 2011 Oct 18.

Source

College of Food Science, Shenyang Agriculture University, Shenyang 110866, China.

Abstract

A new dammarane-type triterpene saponin was isolated from the aerial parts of *Gynostemma pentaphyllum* (Thunb.) Makino. Its structural elucidation was accomplished mainly on the basis of the interpretation of spectroscopic data, such as IR, HR-TOF-MS and NMR. Its cytotoxic activity was evaluated against one human cancer cell line HL-60 using MTT assay.

PMID: 22007898

Triterpenoid saponins from *Gynostemma pentaphyllum*.

[Shi L](#), [Cao JQ](#), [Shi SM](#), [Zhao YQ](#).

[J Asian Nat Prod Res](#). 2011 Feb;13(2):168-77. doi: 10.1080/10286020.2010.547029.

Source

College of Food Science, Shenyang Agriculture University, Shenyang, China.

Abstract

Four new dammarane-type triterpene saponins, 1-4, were isolated from the aerial parts of *Gynostemma pentaphyllum* (Thunb.) Makino. Their structural elucidations were accomplished mainly on the basis of spectroscopic methods, such as IR, HR-TOF-MS, and NMR. Compounds 1-4 showed moderate cytotoxic activities against cancer cell lines HL-60, Colon205, and Du145 in vitro.

PMID:21279881