

Madaan R, Bansal G, Sharma A. New phenolic glycosides from roots of *Actaea spicata* Linneaus. *Bull. Pharm. Res.* 2011;1(1):11-4.

Abstract: *Actaea spicata* Linn. (Ranunculaceae) has been traditionally used for the treatment of various ailments such as rheumatism, inflammation, nerve diseases, lumbago, scrofula and chorea. Despite a long tradition of use, no systematic phytochemical work has been carried out on this potential plant. The present investigation was undertaken to isolate and characterize phenolic compounds from ethyl acetate fraction of methanol extract of *A. spicata* roots. Column chromatography of polyphenol rich ethyl acetate fraction of methanol extract of *A. spicata* yielded two new phenolic constituents characterized by various spectroscopic techniques such as FT-IR, ^1H NMR and ^{13}C NMR, and identified as 4 C-glucosyl-3, 5-dihydroxy-2-methoxy benzoic acid and its acetyl derivative 5-acetoxy-4 C-glucosyl-3-hydroxy-2-methoxy benzoic acid.

Key words: *Actaea spicata*, Column chromatography, Polyphenols, Benzoic acids, Spectroscopy.

References: [14](#)

Total Pages: 04

Cited by: [01](#)

*Author to whom correspondence should be addressed:

Ms. Reecha Madaan (reechashirin@yahoo.com)

Assistant Professor, Department of Pharmacognosy, Chitkara College of Pharmacy,
Rajpura, Punjab, India

BPR