

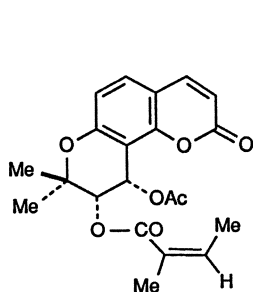
94.1 Introduction

Qianhu, Radix Peucedani, is the dry root of *Peucedanum praeruptorum* Dunn or *P. decursivum* Maxim. (Apiaceae) collected in the winter or spring. It is officially listed in the Chinese Pharmacopoeia and could be used as an expectorant and mucolytic.

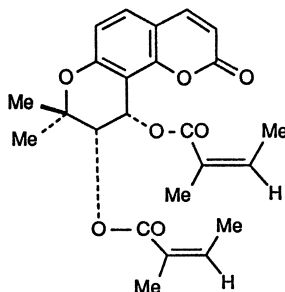
94.2 Chemical Constituents

94.2.1 Chemical Constituents of *Peucedanum praeruptorum*

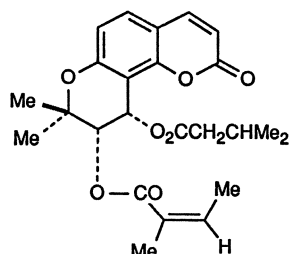
A number of pyranocoumarins were isolated from the root of *P. praeruptorum*. The first two were designated as praeruptorin A (94-1) and praeruptorin B (94-2) [1]. The isolation of praeruptorin E (94-3) was also reported [2, 3]. A series of pyranocoumarin glycosides, praeroside II (94-4), praeroside III (94-5), praeroside IV (94-6), and praeroside V (94-7) [4], furanocoumarin glycosides praeroside I (94-8), isorutarin (94-9), rutarin (94-10), and marmesinin (94-11) and coumarin glycosides scopoline and skimmin [5] were also isolated from the root of *P. praeruptorum*.



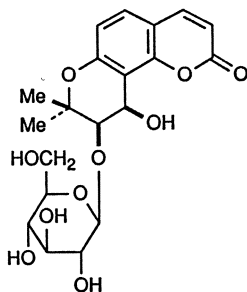
Praeruptorin A (94-1)



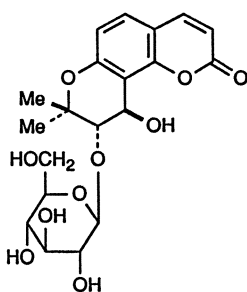
Praeruptorin B (94-2)



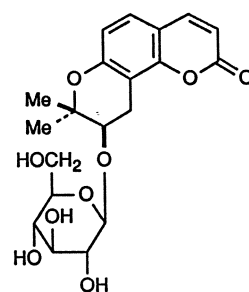
Praeruptorin E (94-3)



Praeroside II (94-4)



Praeroside III (94-5)



Praeroside IV (94-6)