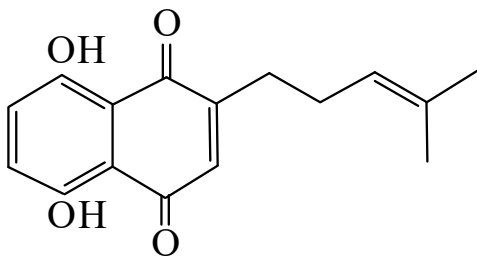




>>Entry Name: 5,8-Dihydroxy-2-(4-methyl-3-pentenyl)-1,4-naphthoquinone

Synonym(s): 5,8-Dihydroxy-2-(4-methyl-3-pentenyl)-1,4-naphthalenedione, 9Cl. **Deoxyshikonin**. Arnebin VII



CAS Registry Number: 43043-74-9

Molecular Formula: C₁₆H₁₆O₄

Molecular Weight: 272.3

Accurate Mass: 272.10486

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Biological Source: Constit. of *Alkanna hirsutissima*, *Arnebia nobilis*, *Lithospermum erythrorhizon*, *Macrotomia euchroma*, *Macrotomia cephatotes*, *Echium vulgare*, *Lappula consanguinea*, *Lappula echinata*, *Eritrichium incanum*, *Eritrichium sichotenze*, *Cynoglossum officinale* and *Mertensia maritima*

Physical Description: Red needles (hexane)

Melting Point: Mp 95° (92-93°)

References:

Dhar, M.M. *et al.*, *Indian J. Chem.*, 1973, **11**, 528, (*isol, struct*)

Azfal, M. *et al.*, *J.C.S. Perkin I*, 1975, 1334, (*isol, struct*)