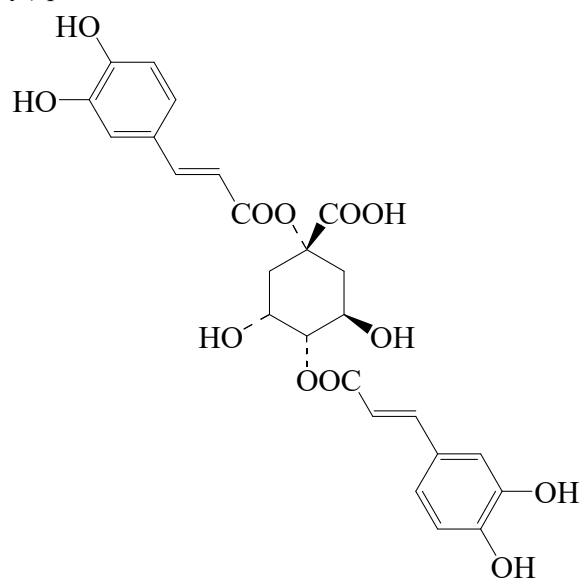




>>Entry Name: 1,4-Di-*O*-caffeoylquinic acid

Synonym(s): NSC 91529. 1,4-Bis-(3,4-dihydroxycinnamoyl)quinic acid



CAS Registry Number: 1182-34-9

Related CAS Registry Numbers(s): 1884-23-7

Molecular Formula: C₂₅H₂₄O₁₂

Molecular Weight: 516.457

Accurate Mass: 516.12678

Percentage Composition: C 58.14%; H 4.68%; O 37.17%

General Statement: The CAS no. [1182-34-9] has been erroneously used in CA for 1,5-Di-*O*-caffeoylquinic acid [HJC47-K](#)

Biological Source: Isol. from flowers and leaves of *Sempervivum ruthenicum*, *Helichrysum italicum* and *Achillea cartilaginea*

Melting Point: Mp 228-231° (218-220°)

Optical Rotation: $[\alpha]_D^{18} -30$ (c, 0.5 in MeOH)

References:

Panizzi, L. *et al.*, *Gazz. Chim. Ital.*, 1965, **95**, 71-82, (*synth*)

Gumenyuk, L.A., *Khim. Prir. Soedin.*, 1971, **6**, 525; *Chem. Nat. Compd. (Engl. Transl.)*, 1971, **6**, 503, (*isol*)

Zapesochay, G.G. *et al.*, *Khim. Prir. Soedin.*, 1992, **28**, 50-55; *Chem. Nat. Compd. (Engl. Transl.)*, 1992, **28**, 40-44, (*isol, pmr, hplc*)