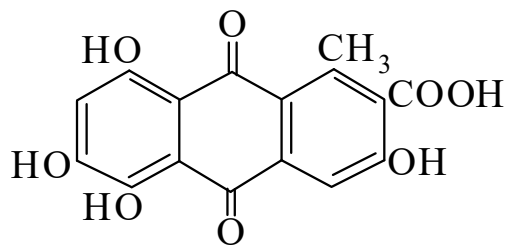




>>Entry Name: 3,5,6,8-Tetrahydroxy-1-methyl-2-anthraquinonecarboxylic acid

Synonym(s): 9,10-Dihydro-3,5,6,8-tetrahydroxy-1-methyl-9,10-dioxo-2-anthracenecarboxylic acid, 9Cl. **Kermesic acid.** Kermes



CAS Registry Number: 18499-92-8

Molecular Formula: C₁₆H₁₀O₈

Molecular Weight: 330.25

Accurate Mass: 330.03757

Percentage Composition: C 58.19%; H 3.05%; O 38.76%

Biological Source: Red pigment isol. from the insect *Kermococcus ilicus*. Also obt. from the scale insect *Porphyrophora polonicus*

Use/Importance: Used at least since mediaeval times for dyeing silk

Physical Description: Red needles (H₂O)

Melting Point: Mp 250° (dec.)

References:

- Dimroth, O. *et al.*, *Annalen*, 1913, **399**, 43; 1916, **411**, 315
Gadgil, D.D. *et al.*, *Tet. Lett.*, 1968, 2223, (*struct*)
Roberge, G. *et al.*, *J.C.S. Perkin 1*, 1978, 1041, (*synth*)
Cameron, D.W. *et al.*, *Aust. J. Chem.*, 1981, **34**, 2401, (*synth*)
Allevi, P. *et al.*, *J.O.C.*, 1987, **52**, 5469, (*synth*)
Bingham, S.J. *et al.*, *J.C.S. Perkin 1*, 1997, 3637-3642, (*synth*)