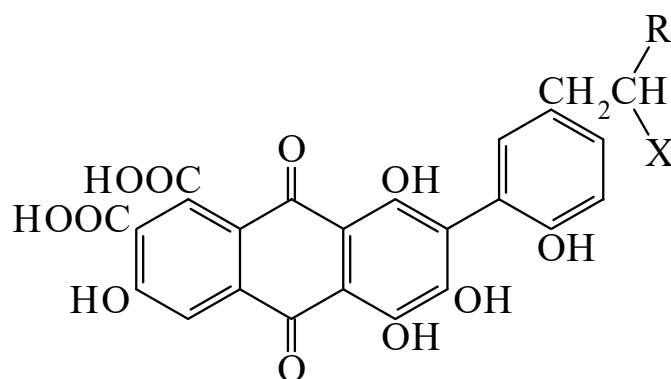




>>Entry Name: **Laccaic acid A₁**

Synonym(s): 7-[5-[2-(Acetylamino)ethyl]-2-hydroxyphenyl]-9,10-dihydro-3,5,6,8-tetrahydroxy-9,10-dioxo-1,2-anthracenedicarboxylic acid, 9Cl. Laccaic acid A



R = H, X = NHAc

CAS Registry Number: 15979-35-8

Related CAS Registry Numbers(s): 60687-93-6

Molecular Formula: C₂₆H₁₉NO₁₂

Molecular Weight: 537.436

Accurate Mass: 537.090729

Percentage Composition: C 58.11%; H 3.56%; N 2.61%; O 35.72%

Biological Source: Pigment from stick lac

Physical Description: Red, strongly dichroic platelets (MeOH) or bright-red needles (H₂O or MeOH)

Other Data: Does not melt but chars from 230°

>>Derivative: Di-Me ester, penta-Me ether

Molecular Formula: C₃₃H₃₃NO₁₂

Molecular Weight: 635.623

Percentage Composition: C 62.36%; H 5.23%; N 2.20%; O 30.21%

Melting Point: Mp 115-116°

References:

Pandhare, E.D. *et al.*, *Tetrahedron, Suppl.*, No. 8, 1966, 229

Burwood, R. *et al.*, *J.C.S.(C)*, 1967, 842, (*isol, uv*)

Pandhare, E.D. *et al.*, *Tet. Lett.*, 1967, 2437, (*isol, struct*)