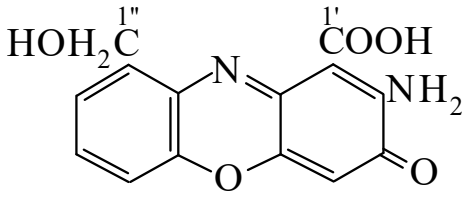
>>**Entry Name: Cinnabarine**
Synonym(s): 2-Amino-9-hydroxymethyl-3-oxo-3*H*-phenoxazine-1-carboxylic acid, $_{9Cl}$. Polystictin



CAS Registry Number: 146-90-7

Molecular Formula: $C_{14}H_{10}N_2O_5$
Molecular Weight: 286.243
Accurate Mass: 286.058973
Percentage Composition: C 58.75%; H 3.52%; N 9.79%; O 27.95%
Biological Source: Pigment of *Trametes cinnabarina, Coriolus sanguineus*, *Polystictus cinnabarinus* and *Pycnoporus sanguineus*
Biological Use/Importance: Active against *Staphylococcus aureus* and fungi
Physical Description: Orange-yellow cryst. or red needles (Py or $PhNO_2$/anisole)
Melting Point: Mp 320° (300° dec.)

>>**Derivative:** Me ester
Molecular Formula: $C_{15}H_{12}N_2O_5$
Molecular Weight: 300.27
Accurate Mass: 300.074623
Percentage Composition: C 60.00%; H 4.03%; N 9.33%; O 26.64%
Physical Description: Orange cryst.
Melting Point: Mp 252 dec.°

>>**Derivative:** *O*-Ac
Synonym(s): *O*-Acetylcinnabarine

CAS Registry Number: 133076-09-2

Molecular Formula: $C_{16}H_{12}N_2O_6$
Molecular Weight: 328.281
Accurate Mass: 328.069538
Percentage Composition: C 58.54%; H 3.68%; N 8.53%; O 29.24%
Biological Source: Isol. from *Pycnoporus sanguineus*
Physical Description: Red needles (Me_2CO/petrol)
Melting Point: Mp 250-252 dec.°

>>**Derivative:** *O*-Ac, Me ester

Molecular Formula: $C_{18}H_{14}N_2O_6$
Molecular Weight: 354.318
Accurate Mass: 354.085188
Percentage Composition: C 61.02%; H 3.98%; N 7.91%; O 27.09%
Physical Description: Orange cryst.
Melting Point: Mp 234 dec.°

>>**Derivative:** *N*-Me, Me ester

CAS Registry Number: 133056-32-3

Molecular Formula: $C_{16}H_{14}N_2O_5$
Molecular Weight: 314.297
Accurate Mass: 314.090273
Percentage Composition: C 61.14%; H 4.49%; N 8.91%; O 25.45%
Biological Source: Isol. from *Pycnoporus sanguineus*
Physical Description: Red cryst.
Melting Point: Mp 182 dec.°