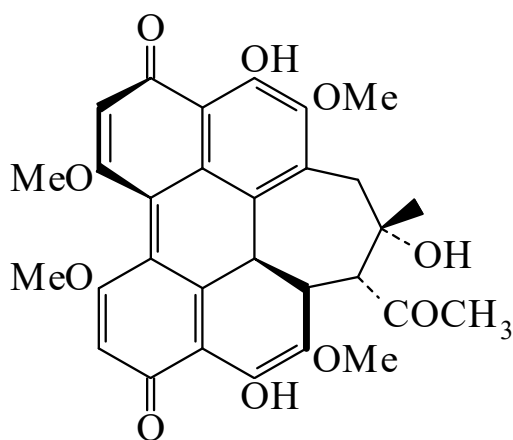




>>Entry Name: Hypocrellin

ENTRY UNDER REVIEW

Synonym(s): Hypocrellin A



CAS Registry Number: 77029-83-5

Molecular Formula: C₃₀H₂₆O₁₀

Molecular Weight: 546.529

Accurate Mass: 546.1526

Percentage Composition: C 65.93%; H 4.79%; O 29.27%

Biological Source: Isol. from *Hypocrella bambusae*

Use/Importance: Shows photodynamic activity towards microorganisms

Physical Description: Dark-red cryst. (Me₂CO)

Melting Point: Mp 245-250° (softens at 214°)

Solubility: BERDY SOL: Poorly sol. hexane

UV: [neutral] λ_{max} 215 (); 268 (); 283 (); 342 (); 367 (); 465 (); 539 (); 581 (); 608 () (EtOH) (Berdy)

>>Derivative: Axial stereoisomer

Synonym(s): Hypocrellin B

CAS Registry Number: 123940-54-5

Molecular Formula: C₃₀H₂₆O₁₀

Molecular Weight: 546.529

Accurate Mass: 546.1526

Percentage Composition: C 65.93%; H 4.79%; O 29.27%

Biological Source: Constit. of *Shiraia bambusicola*

Physical Description: Black-red powdery cryst.

Melting Point: Mp 215-217° (softens at 195°)

UV: [neutral] λ_{max} 210 (ε 40740); 266 (ε 27540); 340 (ε 4466); 467 (ε 20900); 540 (ε 10715); 581 (ε 11220) (MeOH) (Berdy)

References:

Wei-Shin, C. *et al.*, *Annalen*, 1981, 1880, (*cryst struct*)

Kishi, T. *et al.*, *Planta Med.*, 1991, **57**, 376, (*isol, pmr, cmr*)

Lown, J.W., *Can. J. Chem.*, 1997, **75**, 99, (*rev, photochem*)