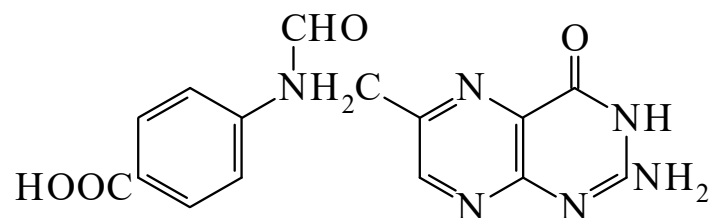




>>Entry Name: Rhizopterin

Synonym(s): 4-[(2-Amino-1,4-dihydro-4-oxo-6-pteridiny)methyl]formylaminobenzoic acid, 9Cl. 12-Formylpteroic acid



CAS Registry Number: 119-20-0

Molecular Formula: C₁₅H₁₂N₆O₄

Molecular Weight: 340.298

Accurate Mass: 340.092004

Percentage Composition: C 52.94%; H 3.55%; N 24.70%; O 18.81%

Biological Source: Occurs in *Rhizopus nigricans*

Use/Importance: Folic acid growth factor

Physical Description: Pale yellow needles (AcOH aq.)

Melting Point: Mp 300°

Solubility: Insol. H₂O, org. solvs., sol. acids and alkalis

>>Derivative: Benzoyl

Molecular Formula: C₂₂H₁₆N₆O₅

Molecular Weight: 444.406

Percentage Composition: C 59.46%; H 3.63%; N 18.91%; O 18.00%

Physical Description: Cryst. (AcOH aq.)

Melting Point: Mp 250 dec.°

References:

Rickes, E.L. *et al.*, *J.A.C.S.*, 1947, **69**, 2749; 2751, (*isol, uv*)

Wolf, D.E. *et al.*, *J.A.C.S.*, 1947, **69**, 2753