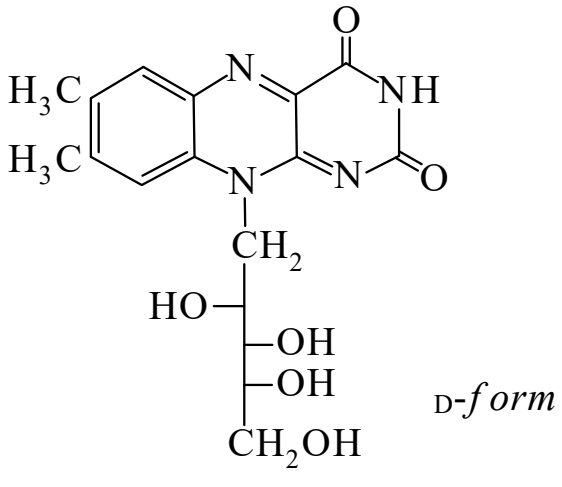
>>**Entry Name: Araboflavin**

Synonym(s): 1-Deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-dioxobenzo[*g*]pteridin-10(2*H*)-yl)arabinitol, 9Cl. 7,8-Dimethyl-10-(*arabino*-2,3,4,5-tetrahydroxypentyl)isoalloxazine, 8Cl



D-*form*

CAS Registry Number: 482-11-1

Molecular Formula: $C_{17}H_{20}N_4O_6$
Molecular Weight: 376.368
Accurate Mass: 376.138286
Percentage Composition: C 54.25%; H 5.36%; N 14.89%; O 25.51%

>>**Variant:** D-form

CAS Registry Number: 5978-87-0

Molecular Formula: $C_{17}H_{20}N_4O_6$
Molecular Weight: 376.368
Accurate Mass: 376.138286
Percentage Composition: C 54.25%; H 5.36%; N 14.89%; O 25.51%
Use/Importance: Riboflavine antagonist
Physical Description: Orange-yellow needles
Melting Point: Mp 298 ,° (303°)
Optical Rotation: $[\alpha]_D^{20}$+78.6 (c, 0.51 in 0.1N NaOH)
Other Data: Bitter taste

>>**Derivative:** 2,3,4-Tri-Ac

Melting Point: Mp 209-210°

>>**Derivative:** 2,3,4,5-Tetra-Ac

CAS Registry Number: 5978-88-1
Melting Point: Mp 260°

>>**Variant:** L-form

CAS Registry Number: 33210-89-8

Molecular Formula: $C_{17}H_{20}N_4O_6$
Molecular Weight: 376.368
Accurate Mass: 376.138286
Percentage Composition: C 54.25%; H 5.36%; N 14.89%; O 25.51%
Melting Point: Mp 296-299°
Optical Rotation: $[\alpha]_D$ –108 (0.05N NaOH) (H_2O)

>>**Derivative:** 2,3,4,5-Tetra-Ac

Melting Point: Mp 260°