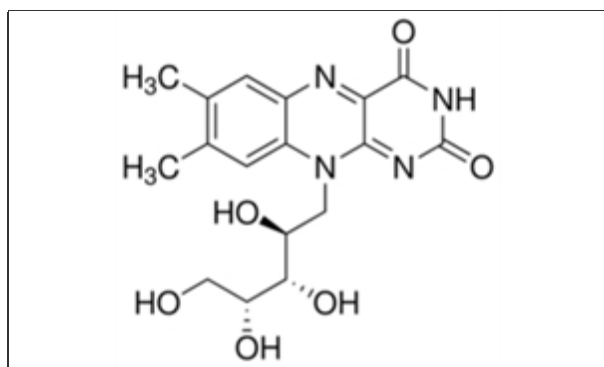


RIBOFLAVIN For Biochemistry

Confirms to IP
Vitamin B2

Article No.	05580	Grade	For Biochemistry
Purity	98%	CAS No.	83-88-5
Molecular Formula	C ₁₇ H ₂₀ N ₄ O ₆	Molecular Weight	376.37
H.S. Code	2936.2310	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange yellow powder
Odour	Slight odour	pH value	6
Melting point/ Freezing point [°C]	280°C		

Specifications

Appearance	A yellow to orange yellow crystalline powder
Solubility	Very slightly soluble in water, practically insoluble in ethanol (96 per cent)
Assay (spectrophotometric; on dried basis)	98 - 101%
Identification 'A' & 'B'	To pass IP tests
pH	5.5 to 7.2
Specific optical rotation	-115° to -135°
Light absorption	-

Packings

5 g	00005
10 g	00010
25 g	00025

at A373 nm/A267 nm	0.31 - 0.33
at A444 nm/A267 nm	0.36 - 0.39
Lumiflavine	To pass IP test
Loss on drying (at 105°C)	Max 1.5%
Sulphated ash	Max 0.1%

Revision Date : 08-May-2023

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