

Product Name : Riboflavin

Synonyms : Riboflavin, Vitamin B2, Vitamin G; Lactoflavin

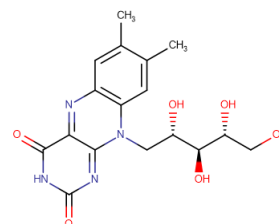
Cat No. : M16112

CAS Number : 83-88-5

Molecular Formula : C₁₇H₂₀N₄O₆

Formula Weight : 376.37

Chemical Name : 7,8-dimethyl-10-[(2S,3S,4R)-2,3,4,5-tetrahydroxypentyl]benzo[g]pteridine-2,4-dione



Description : Nutritional factor found in milk, eggs, malted barley, liver, kidney, heart, and leafy vegetables. The richest natural source is yeast. It occurs in the free form only in the retina of the eye, in whey, and in urine; its principal forms in tissues and cells are as flavin mononucleotide and flavin-adenine dinucleotide.

Pathway : Metabolic Enzyme/Protease

Target : Vitamin

Receptor : VB2

Solubility : DMSO: 0.1 mg/mL (0.26 mM); Water; Ethanol: insoluble

SMILES : CC1=CC2=C(C=C1C)N(C3=NC(=O)NC(=O)C3=N2)C[C@@H]([C@@H]([C@@H](CO)O)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Solovieva IM, et al. FEMS Microbiol Lett. 2005 Feb 1;243(1):51-8.