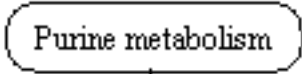


## RIBOFLAVIN METABOLISM



Pentose phosphate pathway

Ribulose  
5-phosphate

3,4-Dihydroxy-  
2-butanone-4-phosphate

$$\text{H}_2\text{O}$$
O<sub>2</sub>Quinone<sup>c</sup>

C00530 Hydroquinone

methyl-  
yl lumazine

7-Hydroxy-6-methyl-8-nitro-1H-benzimidazole

GTP<sup>C</sup>

2,5-Diamino-  
6-(5-phospho-D-ribosylamino)-  
pyrimidin-4(3H)-one

5-Amino-6-(5-phospho-D-ribitylamino)uracil

5-Amino-  
6-nbityl-

### 3.1.3.-

thio-  
bityl-  
nouracil

2-Amino-5-formylamino-  
6-(5-phospho-ribosylamino)-  
pyrimidin-4(3H)-one

2,5-Diamino-  
6-(5-phospho-D-ribitylamino)-  
pyrimidin-4(3H)-one

Ribitol

Riboflavin

3.2.99.1

Reduced  
nboflavin

FMN

16 FAD

C01847 FMNH2

C01352 FADH2

Dimethyl-  
benzimidazole<sup>C</sup>

### Porphyrin and chlorophyll metabolism