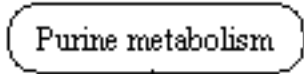


RIBOFLAVIN METABOLISM



Pentose phosphate pathway

Ribulose
5-phosphate^c

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

H₂O

O2

Quinone¹

00536 Hydroquinone

6,7-Dimethyl-
8-ribityl lumazine

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

GTP C_{100}

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

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

5-Amino-
6-nitro-
cyclohexyl-
amine

3.1.3.-



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

1

2314

F14110
C000

K18453

K00953...

K14656

FAD

and gluc

Reduced

C018

442

Dimethyl-
benzimidazole Co³⁺

Porphyria and chlorophyll metabolism