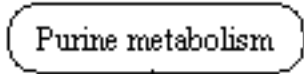


RIBOFLAVIN METABOLISM



Pentose phosphate pathway

Ribulose
5-phosphate

3,4Dihydroxy-
2-butanone-4phosphate

 H_2O O₂Quinone^C

30 Hydroquinone

6,7-Dimethyl-8-nbityl lumazine

7-Hydroxy-6-methyl-8-nbityl lumazine

GTP^C

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

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

5-Amino-
6-nitro-
pyridine-
2-carboxylic acid

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

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

Rabitol

Riboflavin

[illegible]

Pentose and glucuronate interconversions

Reduced riboflavin

FMN C000

GOO16 F&D

C01847 FMNH2

C01352 FADH2

Dimethyl-
benzimidazole

Porphyria and chlorophyll metabolism