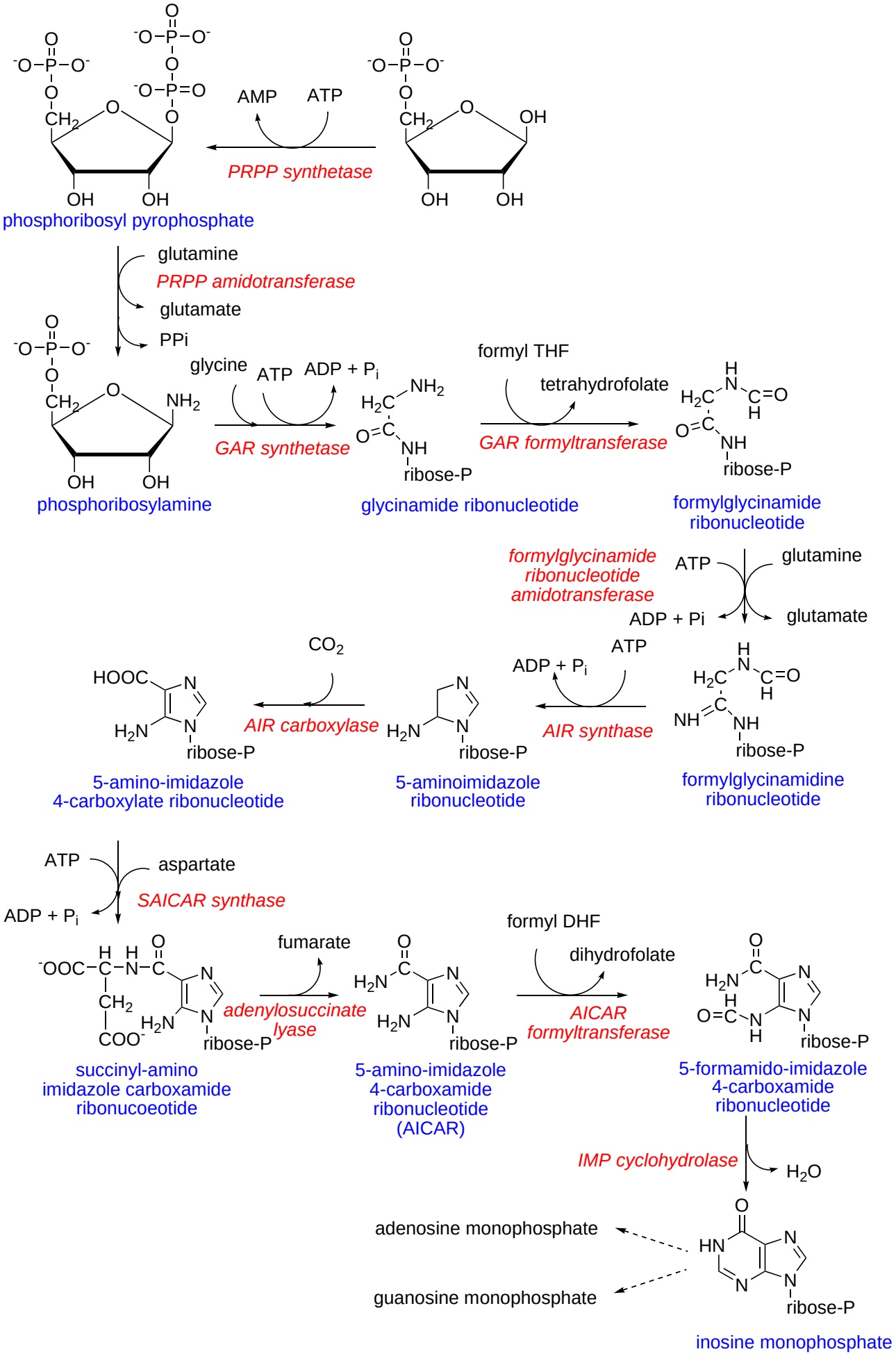
AMP
ATP
PRPP synthetase
phosphoribosyl pyrophosphate
glutamine
PRPP amidotransferase
glutamate
PPi
glycine
ATP
ADP + Pi
GAR synthetase
phosphoribosylamine
glycinamide ribonucleotide
formyl THF
tetrahydrofolate
GAR formyltransferase
formylglycinamide ribonucleotide
formylglycinamide ribonucleotide amidotransferase
ATP
glutamine
ADP + Pi
glutamate
CO2
AIR carboxylase
ADP + Pi
ATP
AIR synthase
5-amino-imidazole 4-carboxylate ribonucleotide
5-aminoimidazole ribonucleotide
formylglycinamidine ribonucleotide
ATP
aspartate
SAICAR synthase
ADP + Pi
fumarate
adenylosuccinate lyase
formyl DHF
dihydrofolate
AICAR formyltransferase
succinyl-amino imidazole carboxamide ribonucoeotide
5-amino-imidazole 4-carboxamide ribonucleotide (AICAR)
5-formamido-imidazole 4-carboxamide ribonucleotide
IMP cyclohydrolase
H2O
adenosine monophosphate
guanosine monophosphate
inosine monophosphate