GLUTATHIONE METABOLISM 5-Oxoproline 🕊 L_Glutamate Cysteine and Taurine and hypotaurine metabolism methionine L-Amino acid ♥ ◄ metabolism Glutamate L-Cysteine VVV metabolism Cyanoamino acid métabolism L-y-Glutamyl **≠©**Glycine PepN K07751 K11142 L-Cysteinyl y-Glutamyl glycine cycle Glutathione disulfide (GSSC 1.8.1.13 **►** O Bis-y-glutamylcystine |4|4| Glutathione L-y-Glutamylcysteine (GSH) Glycine 💇 C**©**PRX L-Glutamate®⁵ PepN Acetyl-CoA NADPH NADP+ 2.3.1.80 R-S-Cysteinyl-R-S-Cysteine R-S-Glutathione Mercapturic acid K05361 glycine K00432 1.8.3.3 NADPH NADP+ 1.8.4.1 | 1.8.4.4 | 2.8.1.3 1.8.5.1 1.8.4.3 1.8.4.7 Dehydro-Ascorbate ascombate Putrescine Spermidine . TryS Trypanothione disulfide Glutathionyl-Tryparothione spermidine L-Omithine® Tryparedoxin Tryparedoxin disulfide Trypanothione Arginine biosynthesis metabolism °**©**Spermine Glutathionyl-Bis(glutathionyl)spermine spermine Bis(glutathionyl)spermine disulfide TcTryS TcTryR Homotrypanothione disulfide Cadaverine 22 TcTryS Aminopropyl-Glutathionyl-Homotrypanothione aminopropyl- TcTryS cadaverine cadaverine

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