MeSH Tree Structures - 2015

G3 - METABOLIC PHENOMENA

Metabolic Phenomena

Metabolic Phenomena	G3		
Acid-Base Equilibrium	G3.30	G2.111.	G2.300.
		G7.700.	G9.188.
Body Composition	G3.180	G2.111.	G7.100.
Body Fat Distribution	G3.180.134	E1.370.	G2.111.
		G7.100.	
Adiposity	G3.180.134.500	E1.370.	G2.111.
		G7.100.	
Brain Chemistry	G3.200	G2.111.	
Glycemic Index	G3.345	G7.610.	J1.576.
		N6.850.	
Metabolic Clearance Rate	G3.490	E1.370.	E5.200.
		G3.495.	G3.787.
		G7.690.	G7.690.
		G7.690.	
Metabolism	G3.495		
Absorption	G3.495.23	G1.595.	G2.149.
		G2.842.	G3.787.
		G7.690.	
Absorption, Physiological	G3.495.23.500	G3.787.	G7.690.
Gastrointestinal Absorption	G3.495.23.500.374	G3.787.	G7.610.
		G7.690.	G10.261.
Gastric Absorption	G3.495.23.500.374.249	G3.787.	G7.610.
		G7.690.	G10.261.
Intestinal Absorption	G3.495.23.500.374.500	G3.787.	G7.610.
		G7.690.	G7.700.
		G10.261.	
Intestinal Reabsorption	G3.495.23.500.374.500.500	G3.495.	G3.787.
		G7.610.	G7.690.
		G10.261.	
Oral Mucosal Absorption	G3.495.23.500.374.650	G3.787.	G7.610.
		G7.690.	G10.261.
Rectal Absorption	G3.495.23.500.374.825	G3.787.	G7.690.
		G10.261.	
Intramuscular Absorption	G3.495.23.500.562	G3.787.	G7.690.
		G11.427.	
Ocular Absorption	G3.495.23.500.656	G3.787.	G7.690.
		G14.640.	
Peritoneal Absorption	G3.495.23.500.667	G3.787.	G7.690.
Renal Reabsorption	G3.495.23.500.679	G3.787.	G7.690.
		G8.852.	
Respiratory Tract Absorption	G3.495.23.500.703	G3.787.	G7.690.
		G9.772.	
Nasal Absorption	G3.495.23.500.703.500	G3.787.	G7.690.
		G9.772.	
Skin Absorption	G3.495.23.500.750	G3.787.	G7.690.
		G13.750.	
Subcutaneous Absorption	G3.495.23.500.875	G3.787.	G7.690.
Vaginal Absorption	G3.495.23.500.937	G3.787.	G7.690.
Acylation	G3.495.95	G2.111.	G2.149.
		G2.149.	G2.607.
Acetylation	G3.495.95.52	G2.111.	G2.149.
		G2.149.	G2.607.
Aminoacylation	G3.495.95.55	G2.111.	G2.111.
		G2.149.	G2.149.
		G2.149.	G2.607.
		G3.495.	

G3 - METABOLIC PHENOMENA

Metabolic Phenomena			
Metabolism			
Acylation			
Aminoacylation			
Transfer RNA Aminoacylation			
Transfer RNA Aminoacylation	G3.495.95.55.860	G2.111.	G2.111.
		G2.111.	G2.149.
		G2.149.	G2.149.
		G3.495.	G3.495.
Aerobiosis	G3.495.112	G2.111.	G2.149.
Alkylation	G3.495.130	G2.111.	G2.149.
		G2.149.	G2.607.
Methylation	G3.495.130.538	G2.111.	G2.149.
		G2.149.	G2.607.
DNA Methylation	G3.495.130.538.161	G2.111.	G2.111.
		G2.149.	G2.149.
		G5.355.	
Amination	G3.495.140	G2.111.	G2.149.
		G2.149.	G2.607.
Anaerobiosis	G3.495.146	G2.111.	G2.149.
Autotrophic Processes	G3.495.153	G2.111.	G2.149.
Chemoautotrophic Growth	G3.495.153.314	G2.111.	G2.149.
Nitrogen Fixation	G3.495.153.630	G2.111.	G2.149.
		G6.99.	G6.590.
		G6.590.	
Biocatalysis	G3.495.159	G2.111.	G2.149.
		G2.149.	G2.149.
		G2.842.	
Biological Transport	G3.495.166		
Biological Transport, Active	G3.495.166.310		
Active Transport, Cell Nucleus	G3.495.166.310.100	G3.495.	
Capillary Permeability	G3.495.166.330	G9.330.	
Cell Membrane Permeability	G3.495.166.335	G4.175	
Cytoplasmic Streaming	G3.495.166.355	G4.299.	
Axonal Transport	G3.495.166.355.40	G4.299.	G11.561.
Facilitated Diffusion	G3.495.166.427	G1.154.	G1.595.
		G1.595.	G2.149.
		G2.842.	
Ion Transport	G3.495.166.500		
Calcium Signaling	G3.495.166.500.100	G2.111.	G2.149.
		G4.299.	
Protein Transport	G3.495.166.700		
Active Transport, Cell Nucleus	G3.495.166.700.100	G3.495.	
Respiratory Transport	G3.495.166.775	G9.772.	
Pulmonary Gas Exchange	G3.495.166.775.602	E1.370.	G9.772.
RNA Transport	G3.495.166.850		
Secretory Pathway	G3.495.166.925	G4.299.	
Transcytosis	G3.495.166.962	G4.299.	G4.299.
Transcellular Cell Migration	G3.495.166.962.500	G4.299.	G4.299.
		G4.299.	G4.299.
Biotinylation	G3.495.233	E5.393.	G2.111.
		G2.149.	
Biotransformation	G3.495.244	G3.787.	G7.690.
Activation, Metabolic	G3.495.244.224	G3.787.	G7.690.
Inactivation, Metabolic	G3.495.244.450	G3.787.	G7.690.
Metabolic Detoxication, Phase I	G3.495.244.450.500	G3.787.	G7.690.
Metabolic Detoxication, Phase II	G3.495.244.450.750	G3.787.	G7.690.
Metabolic Clearance Rate	G3.495.244.640	E1.370.	E5.200.
		G3.490	G3.787.
		G7.690.	G7.690.
		G7.690.	
Carbohydrate Metabolism	G3.495.256	G2.111.	G2.149.
Fermentation	G3.495.256.249	G2.111.	G2.149.
Gluconeogenesis	G3.495.256.500	G2.111.	G2.149.

G3 - METABOLIC PHENOMENA

Metabolic Phenomena			
Metabolism			
Carbohydrate Metabolism			
Glycogenolysis			
Glycogenolysis	G3.495.256.625	G2.111.	G2.149.
Glycolysis	G3.495.256.750	G2.111.	G2.149.
		G3.495.	G3.495.
Glycosylation	G3.495.256.812	G2.111.	G2.149.
		G2.149.	G2.607.
Pentose Phosphate Pathway	G3.495.256.875	G2.111.	G2.149.
		G3.495.	G3.495.
Photosynthesis	G3.495.256.937	G2.111.	G2.111.
		G2.149.	G2.149.
		G2.149.	G2.842.
		G3.495.	G3.495.
		G15.744.	
Photophosphorylation	G3.495.256.937.700	G2.111.	G2.111.
		G2.111.	G2.149.
		G2.149.	G2.149.
		G2.149.	G2.842.
		G3.495.	G3.495.
		G3.495.	
Cell Respiration	G3.495.278	G4.299.	
Cell Hypoxia	G3.495.278.300	G4.299.	
Respiratory Burst	G3.495.278.620	G4.299.	
Cyclization	G3.495.300	G2.111.	G2.149.
		G2.149.	G2.607.
Dealkylation	G3.495.305	G2.111.	G2.149.
		G2.149.	G2.607.
Deamination	G3.495.310	G2.111.	G2.149.
		G2.149.	G2.607.
Decarboxylation	G3.495.315	G2.111.	G2.149.
		G2.149.	G2.607.
Dimerization	G3.495.320	G2.111.	G2.149.
		G2.149.	
Energy Metabolism	G3.495.335		
Basal Metabolism	G3.495.335.154	E1.370.	
Citric Acid Cycle	G3.495.335.342	G2.111.	G2.149.
		G3.495.	
Glycolysis	G3.495.335.436	G2.111.	G2.149.
		G3.495.	G3.495.
Oxidation-Reduction	G3.495.335.531	G2.149.	G2.842.
Electron Transport	G3.495.335.531.403	G2.111.	G2.149.
		G3.495.	
Lipid Peroxidation	G3.495.335.531.587	G2.111.	G2.149.
Oxidative Phosphorylation	G3.495.335.631	G2.111.	G2.149.
		G3.495.	
Pentose Phosphate Pathway	G3.495.335.693	G2.111.	G2.149.
		G3.495.	G3.495.
Photophosphorylation	G3.495.335.724	G2.111.	G2.111.
		G2.111.	G2.149.
		G2.149.	G2.149.
		G2.149.	G2.842.
		G3.495.	G3.495.
		G3.495.	
Proton-Motive Force	G3.495.335.770	G2.149.	G2.842.
Membrane Potential, Mitochondrial	G3.495.335.770.500	G4.580.	G7.265.
Substrate Cycling	G3.495.335.835	G2.111.	G2.149.
Enterohepatic Circulation	G3.495.355		
Intestinal Reabsorption	G3.495.355.500	G3.495.	G3.787.
		G7.610.	G7.690.
		G10.261.	
Enzyme Activation	G3.495.368	G2.111.	G2.149.

Metabolic Phenomena
Metabolism
Esterification

Esterification	G3.495.475	G2.111.	G2.149.
		G2.149.	G2.607.
Halogenation	G3.495.496	G2.111.	G2.149.
Heterotrophic Processes	G3.495.505	G2.111.	G2.149.
Hydrogenation	G3.495.506	G2.111.	G2.149.
		G2.149.	G2.607.
Hydrolysis	G3.495.508	G2.111.	G2.149.
		G2.149.	
Hydroxylation	G3.495.510	G2.111.	G2.149.
		G2.149.	G2.607.
Lipid Metabolism	G3.495.520		
Lipogenesis	G3.495.520.249	G2.111.	G2.149.
Lipolysis	G3.495.520.500	G2.111.	G2.149.
Lipid Mobilization	G3.495.520.500.500		
Lipoylation	G3.495.520.875	G2.111.	G2.149.
Metabolic Networks and Pathways	G3.495.553		
Biosynthetic Pathways	G3.495.553.100	G2.111.	G2.149.
Citric Acid Cycle	G3.495.553.170	G2.111.	G2.149.
		G3.495.	
Electron Transport	G3.495.553.350	G2.111.	G2.149.
		G3.495.	
Glycolysis	G3.495.553.360	G2.111.	G2.149.
		G3.495.	G3.495.
Kallikrein-Kinin System	G3.495.553.485	G2.111.	G3.615.
		G7.700.	G9.330.
MAP Kinase Signaling System	G3.495.553.560	G2.111.	G2.149.
		G4.299.	
Pentose Phosphate Pathway	G3.495.553.695	G2.111.	G2.149.
		G3.495.	G3.495.
Photosynthesis	G3.495.553.700	G2.111.	G2.111.
		G2.149.	G2.149.
		G2.149.	G2.842.
		G3.495.	G3.495.
		G15.744.	
Protein Interaction Maps	G3.495.553.750		
Secondary Metabolism	G3.495.553.875		
Nitrosation	G3.495.655	G2.111.	G2.149.
		G2.149.	G2.607.
Oxidative Stress	G3.495.710	G7.700.	
Endoplasmic Reticulum Stress	G3.495.710.344	G4.299.	G4.434
Protein Carbonylation	G3.495.710.690	G2.111.	G2.149.
Peptide Biosynthesis	G3.495.770	G2.111.	G2.149.
Aminoacylation	G3.495.770.50	G2.111.	G2.111.
		G2.149.	G2.149.
		G2.149.	G2.607.
		G3.495.	
Transfer RNA Aminoacylation	G3.495.770.50.860	G2.111.	G2.111.
		G2.111.	G2.149.
		G2.149.	G2.149.
		G3.495.	G3.495.
Peptide Biosynthesis, Nucleic Acid-Independent	G3.495.770.333	G2.111.	G2.149.
Protein Biosynthesis	G3.495.770.871	G2.111.	G2.149.
		G5.355.	
Frameshifting, Ribosomal	G3.495.770.871.200	G2.111.	G2.149.
		G5.355.	
Peptide Chain Elongation, Translational	G3.495.770.871.640	G2.111.	G2.149.
Peptide Chain Initiation, Translational	G3.495.770.871.650	G2.111.	G2.149.
Peptide Chain Termination, Translational	G3.495.770.871.720	G2.111.	G2.149.

G3 - METABOLIC PHENOMENA

Metabolic Phenomena			
Metabolism			
Peptide Biosynthesis			
Protein Biosynthesis			
Protein Modification, Translational			
Protein Modification, Translational	G3.495.770.871.790	G2.111. G2.149. G5.355.	G2.111. G2.149.
Protein Processing, Post-Translational	G3.495.770.871.790.600	G2.111. G2.149. G5.355.	G2.111. G2.149.
Protein Prenylation	G3.495.770.871.790.600.400	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G2.149. G5.355.
Protein Splicing	G3.495.770.871.790.600.700	G2.111. G2.149. G5.355.	G2.111. G2.149.
Ubiquitination	G3.495.770.871.790.600.831	G2.111. G2.149. G5.355.	G2.111. G2.149.
Sumoylation	G3.495.770.871.790.600.831.500	G2.111. G2.149. G5.355.	G2.111. G2.149.
Unfolded Protein Response	G3.495.770.871.790.600.850	G2.111. G2.149. G5.355.	G2.111. G2.149.
Endoplasmic Reticulum-Associated Degradation	G3.495.770.871.790.600.850.500	G2.111. G2.149. G5.355.	G2.111. G2.149.
Transfer RNA Aminoacylation	G3.495.770.871.850	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G2.149. G3.495.
Phosphorylation	G3.495.790	G2.111. G2.149.	G2.149. G2.607.
Oxidative Phosphorylation	G3.495.790.550	G2.111. G3.495.	G2.149.
Photophosphorylation	G3.495.790.605	G2.111. G2.111. G2.149. G2.149. G3.495. G3.495.	G2.111. G2.149. G2.149. G2.842. G3.495.
Phototrophic Processes	G3.495.795	G2.111.	G2.149.
Photosynthesis	G3.495.795.700	G2.111. G2.149. G2.149. G3.495. G15.744.	G2.111. G2.149. G2.842. G3.495.
Photophosphorylation	G3.495.795.700.700	G2.111. G2.111. G2.149. G2.149. G3.495. G3.495.	G2.111. G2.149. G2.149. G2.842. G3.495.
Prenylation	G3.495.797	G2.111.	G2.149.
Protein Prenylation	G3.495.797.500	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G2.149. G5.355.
Protein Binding	G3.495.800	G2.111.	G2.149.
Proteolysis	G3.495.802	G2.111.	G2.149.
Renin-Angiotensin System	G3.495.805	G9.330.	
RNA Processing, Post-Transcriptional	G3.495.839	G2.111. G5.355.	G2.149.

Metabolic Phenomena
Metabolism
RNA Processing, Post-Transcriptional
Nonsense Mediated mRNA Decay

Nonsense Mediated mRNA Decay	G3.495.839.112	G2.111. G2.149.	G2.111. G5.355.
RNA 3' End Processing	G3.495.839.225	G2.111. G5.355.	G2.149.
Polyadenylation	G3.495.839.225.710	G2.111. G5.355.	G2.149.
RNA Editing	G3.495.839.250	G2.111. G5.355.	G2.149.
RNA Splicing	G3.495.839.700	G2.111. G5.355.	G2.149.
Alternative Splicing	G3.495.839.700.100	G2.111. G5.355.	G2.149.
Trans-Splicing	G3.495.839.700.750	G2.111. G5.355.	G2.149.
Secretory Rate	G3.495.873		
Metabolome	G3.500		
Osmoregulation	G3.615	G2.111.	G7.700.
Water-Electrolyte Balance	G3.615.500	G2.111.	G7.700.
Kallikrein-Kinin System	G3.615.500.500	G2.111. G7.700.	G3.495. G9.330.
Water Loss, Insensible	G3.615.500.750	G2.111.	G7.700.
Oxygen Consumption	G3.730		
Anaerobic Threshold	G3.730.110	G11.427.	
Metabolic Equivalent	G3.730.365	E1.370.	
Pharmacokinetics	G3.787	G7.690.	
Absorption	G3.787.24	G1.595. G2.842. G7.690.	G2.149. G3.495.
Absorption, Physiological	G3.787.24.500	G3.495.	G7.690.
Gastrointestinal Absorption	G3.787.24.500.374	G3.495. G7.690.	G7.610. G10.261.
Gastric Absorption	G3.787.24.500.374.249	G3.495. G7.690.	G7.610. G10.261.
Intestinal Absorption	G3.787.24.500.374.500	G3.495. G7.690. G10.261.	G7.610. G7.700.
Intestinal Reabsorption	G3.787.24.500.374.500.500	G3.495. G7.610. G10.261.	G3.495. G7.690.
Oral Mucosal Absorption	G3.787.24.500.374.650	G3.495. G7.690.	G7.610. G10.261.
Rectal Absorption	G3.787.24.500.374.825	G3.495. G10.261.	G7.690.
Intramuscular Absorption	G3.787.24.500.562	G3.495. G11.427.	G7.690.
Ocular Absorption	G3.787.24.500.656	G3.495. G14.640.	G7.690.
Peritoneal Absorption	G3.787.24.500.667	G3.495.	G7.690.
Renal Reabsorption	G3.787.24.500.679	G3.495. G8.852.	G7.690.
Respiratory Tract Absorption	G3.787.24.500.703	G3.495. G9.772.	G7.690.
Nasal Absorption	G3.787.24.500.703.500	G3.495. G9.772.	G7.690.
Skin Absorption	G3.787.24.500.750	G3.495. G13.750.	G7.690.
Subcutaneous Absorption	G3.787.24.500.875	G3.495.	G7.690.
Vaginal Absorption	G3.787.24.500.937	G3.495.	G7.690.
Area Under Curve	G3.787.101	E5.318. N6.850.	G7.690.

G3 - METABOLIC PHENOMENA

Metabolic Phenomena
Pharmacokinetics
Biological Availability

Biological Availability	G3.787.151	G7.690.	
Biotransformation	G3.787.225	G3.495.	G7.690.
Activation, Metabolic	G3.787.225.224	G3.495.	G7.690.
Inactivation, Metabolic	G3.787.225.450	G3.495.	G7.690.
Metabolic Detoxication, Phase I	G3.787.225.450.500	G3.495.	G7.690.
Metabolic Detoxication, Phase II	G3.787.225.450.750	G3.495.	G7.690.
Metabolic Clearance Rate	G3.787.225.640	E1.370.	E5.200.
		G3.490	G3.495.
		G7.690.	G7.690.
		G7.690.	
Cutaneous Elimination	G3.787.273	G7.690.	G13.750.
Drug Liberation	G3.787.321	G2.842.	G7.690.
Hepatobiliary Elimination	G3.787.380	G7.690.	G10.261.
Intestinal Elimination	G3.787.383	G7.690.	G10.261.
Lacrimal Elimination	G3.787.387	G7.690.	G14.640.
Lacteal Elimination	G3.787.391	G7.690.	G8.686.
Pulmonary Elimination	G3.787.395	G7.690.	G9.772.
Renal Elimination	G3.787.410	G7.690.	G8.852.
Salivary Elimination	G3.787.440	G7.690.	
Therapeutic Equivalency	G3.787.559	G7.690.	
Tissue Distribution	G3.787.917	G7.690.	
Toxicokinetics	G3.787.958	G7.690.	