Metabolite_name	CHEBI	HMOG	HPO TERM REQUEST	Change	Location	1 PPO Label	Synonym	GENEILOCUS ASSOCIATION	OMM or Disease	OMM ID	PUBLICATION parent	terms that were MIREOTed		New term ID	Logical def	Commit message	Need to add HPO annotation Annot	station Notes Cr	Commit message
													A decrease in the normal concentration of 1,5 anhydroglucibil in the serum. 1,5 Anhydrosorbital or 1,5- anhydroglucibil 11,5 AGI is a validated marker of short-						
									Type   Diabetes		PMID:9257814		term glygamic control. This substance is derived mainly						
1,5-anhydro-O-gluctol (1,5 anhydros	sorbiol) 16272		Decrease of 1,5 anhydrogluctol level in the serum						(Melitus diabetes)		PMID:17659063								
		HMD80002712				Decreased level of 1,5 anhydroglucitol in serum		ECMI	https://www.omim.org/entry/222100	222100	PMID:16731998 HP_0011013	CHEER 16070		HP_0410050	done				
			Increase of urinary			Increased level of 3-hydroxy-3-methylglutaric acid					PMID:23705938		An increase in the level of 3 hydroxy-3-methylgutaric acid						
3-hydraxy-3-methylglutaric aci	d <u>55331</u>	21.00000000	3-hydroxy-3-methylgluteric sold level	Increased	urine	it urine		HMGCL	HIS CALVASE DEFICIENCY	246450	PMID:15505778 HP_0003215	CHEBI_16801	in the urine.	HP_0410051	done		done	Ad	idded annotation to CMIM:246450
afantoin	15576	10000000000	Increase of serum alterioin level	Increased	965/73	Increased level of allartoin in serum			Chronic Ranal Failure	MONDO_0005300	PMID:18636793 HP_0004364	CHEBI_15676	An increase in the level of allantoin in the serum.	HP_0410052	done	Added new term HP_0410052 Increase	asy		
aminobutvic acid						Increased level of aminobuluric acid			hepstic encephalopathy				As increase in the level of aminobubeic acid						
aminobulyric acid gamma-aminobulyric acid	16865	was no	Increase of serum GABA level	Increased		Increased level of aminobutyric add gamma-aminobutyric acid in serum	Increased level of GASA in serum			MONDO AMETER	PMID: 1485027 HP 0003112		An increase in the level of aminobulyric acid gamma-aminobulyric acid in the serum.	HP 0410053	done	Added new term HP 0410053 Increase			
GABA	10000		Decrease of serum GABA level	Decrease		Decreased level of GABA in serum	Decreased level of GABA in serum		Alcheimer disease		PMID:17031479 HP 0003112			HP_0410054		Added new term HP_0410054 Decres		- 4	idded annotation to OMM:104300
unan			Decrease level of urinary crythribi level	U-C-		COURSES SHE'S GREAT SHEET	DECEMBER AND DISCOUNT AND DE		ACCRETE CHARLE	191,000	PRIORITION IN JOURNA		A SECURIT OF THE SECURITY OF T	19_0110001	ours.	Added the daily of out of beller	MAN WHEN OF GROOM SERVING	. ~	COM BITCHION IS CHIM. INCOM
			DECREES BINE OF STREET BINE																
erythritol	17113	HMD80002994	Decrease level of erythritol level in the CSF	Окомани	urine	Decreased level of erythritol in urine		RPA	RIBOSE SPHOSPHATE ISOMERASE DEFICIENCY	608611	PMID:14968808 HP_0011013	CHEBI_17113	A decrease in the level of erythritid in the urine.	HP_0410055	done	Added new term HP_0410055		Ac.	idded annotation to CMIM:508611
					cerebros	oi .							A decrease in the level of enythritid in the cerebrospinal	HP 0410056		Added lookal deffor HP 0410056			
erythritol				Окомани	nel fluid	Decreased level of erythritol in ownbrospinal fluid				608611	HP_0025454		fluid.		done				
D-mannose	16224	H94000000000	Decrease level of urinary marross level	Decrease	d urine	Decreased level of D-mannose in urine		Social syndroms	Behor's syndrome	109000	PMID:29099052 HP 0011213	CHEBI 16024	Adecresse in the level of D-mannose in the urine.	HP 0410050	done	Added lookal deffor HP 0410050		Ac	idded annotation to CMM:10965
			Increase level of threits in the plasma																
			Increase level of threitol in CSF																
D-threbs!	45300	HMDS0004136	Increase level of threltol in the urine	Increased	plasma	Increased level of D-threitol in plasma		RPA	Ribose-5-Phosphale Isomerasa Deficiency	608611	PMID:14988808 HP_0011013	CHEBI_48300		HP_0410057	done	Added logical def for HP_5410057		Ad	idded annotation to CMIM:508511
Dahadel					centions relified	pi Increased level of D-threitol in cerebrospinal fluid				608611			An increase in the level of D-threitol in the cerebrospinal	HP OLITICAL		Added looks deffor HP 0410058			
						Increased level of D-threitol in-cerebrospinal fluid Increased level of D-threitol in-urine				608611									
D-threitol				Increased	unne	increased level or u-minital in urine				608611			An increase in the level of D-threitol in the urine.	HP_0410059	done	Added logical deffor HP_0410059			
			Increase level of galactital in the plasma		1.	L			L		PMID:11092512		L						
galacitol	16813	100000000000000000000000000000000000000	Increase level of galactics in the urine	Increased		Increased level of galactital in plasma		GALT	Galactisemia	230400	PMID:7671965 HP_0011013	Chem (881)		HP_0410061		Added new term HP_0410061		Ad	idded annotation to CMM:23040
galacitol				Increased		Increased level of galactital in urine				230400				HP_0410062	done	Added new term HP_6410062			
galactorate	10074	-	Increase level of galactorate in Red Blood Cell	Increased	red blood	Increased level of galactorate in red blood cells		GALT	Galactrasmia	230400	PMID:14680973 HP 0004354	CHEST SERVI	An increase in the level of galactorate in the red blood	HP OLITORS	done	Added looks deffor HP 0410003			
yeaconase	16034	-	normal management of Red Book Cell		sad blood	and the same of th		WEI	ORIGINAL STREET	2,000	PRINCIPALITY   1897,0004304	LFEAT_10334	An increase in the level of salactitol in the red blood	F 04 (000)	2276	nums ognarum (IF IP _SR1005)			
galactital	16817			Increased		Increased level of galactital in red blood cells				220400	HP 0011013		cells	HP 0410064	done	Added logical deffor HP_0410064		a.	idded annotation to CMIM-23040
gascas.	19812		Increase level of hipparic acid. In the blood								INF_SUTFELS							~	
			-								PMID:22626821								
hippuric acid	18089	HMD00000714	Increase level of hippuric add in the urine	Increased	blood	Increased level of hippuric add in blood			Chronic Kidney Disease	MONDO 0005300	HP 0004354	CHESI 18089	An increase in the level of hippuric add in the blood.	HP 0410005	done	Added lookal deffor HP 0410055	Y .		
									HMG-CoALYASE DEFICIENCY (246450)	246400									
									Arginosuccinic adduria										
									Propionic acidemia	600054									
									Tyrosinemia Phenylatrouria	MONDO_0004741	DMID-12828821						from with CMMI		
hippuric add				Increased		Increased level of hippuric acid in urine			Maple syrup urine disease		PMID:19551947 HP_0004354		An increase in the level of hippuric acid in the urine.	HP_0410066		Added logical deffor HP_0410055			
reports and				- Casa	many	accessor many report about one			Storach carcer	517579	PRIORIZATION IN JUNEAU		AT HUMBER IT HE RIVER TO SPACE AND IT HE WITE.	19_0110000	ours.	Auto ogustos to 19 JATORO	ATURUS		
									Storage Carper	MUNDO GROSSI									
									Galbladder cancer	MONDO 0005411									
									Bile-duct cancer	MONDO_0003059									
			Increase level of the L-fucces						Pancreatic cancer	250250									
L-fucese	18287	HMD00000174	(micromolig of creatinine)	Increased		Increased level of L-fucase in urine			Redal cancer Cirtosia	MCNDO_0006519 215600	DAND STREET, NO COURTS	CHEST TRAFF	At increase in the level of L-fucuse in the urine.	HP 0410067	done	Added logical deffor HP_0410067	done with CMIM		
L-DAM.	1960	PRINCIPAL STATE OF THE	Increase level of L-glutenic in the blood	100000	Dine.	COMMON TO LANGUAGE PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE			N-Acetylglutemate synthetisse deficiency	2.0000	PRIDZZIIZIS INF, SOTISTZ	Creat least	ALL DESIGNATION OF THE PARTY OF	TP_OT NOON	SS/8	Added togrammer to the justices.	anuaus.		
L-glutamic add	16915	HADDOODSAN	of a newborninfant	Increased	Hond	Increased level of L-glutamic acid in blood		NAGS	(227210)	237210	PMID 7573444 HP 0010902	CHEST SERVICE	An increase in the level of L-glutenic acid in the blood.	HP 0410055	done	Added new term HP 0410068		ar ar	idded annotation to CMM:237310
propylene glycol			Increase level of propylene glycol in blood	Increased		Increased level of propylene glycol in blood			Ortonia				An increase in the level of propylene glycol in the blood.			Added looical deffor HP 0410009			idded annotation to CMM:21560
p-4/ 4/			Increase level of urbany ribital																
			Increase level of ribits in CSF																
rate l	15953	HMD00000008	horses level of ribits in serum	Increased	urine	Increased level of ribital in urine		RPM	Ribose-5-Phosphate Isomerasa Deficiency	608611		CHEBI 19963	An increase in the level of ribits in the urine.	HP 0410070	done	Added new term HP 0410070		Ac	idded annotation to CMM/SDB511
rbiol				Increased	nal fluid	increased level of ribital in cerebrospinal fluid				608611	PMID:14988808 HP_0011013		An increase in the level of ribits in the carebrospinal fluid.	HP_0410071		Added logical deffor HP_5410071			
60				Increased	nal fluid	Increased level of ribits in cerebrospinal fluid							An increase in the level of ribital in the carebrospinal fluid.			Added logical deffor HP_0410071			
444			Increase level of unitary ribose	-		housed had all didn't a seen				608611	PMID:14988808 HP_0011013 PMID:14988808			HP_0410071 HP_0538880	done done				
	33942	HMD90000283	Increase level of urbany ribose Increase level of ribose in CSF	Increased	urine	Increased level of ribble in secure Increased level of ribbse in urine		RPA	Ribose-5-Prosphale learnerses Deficiency		PMID:14988808 HP_0011013 PMID:14988808	CHESS_33942		HP_0410071 HP_0538880	done done	Added logical deffor HP_0410071  Added new farm HP_0410072			
rboss	33942	HMD00000283	Increase level of urinary ribose Increase level of ribose in CSF	housed	urine cerebros	Increased level of ribbid in secure Increased level of ribbas in urine pi		RPA	Ribose-SPhosphale komerase Deficiency	608611	PMID:14588808 HP_0011013 PMID:14588808 HP_0011013		An increase in the level of ribose in the urine.	HP_0410071 HP_0410072	done done done	Added new farm HP_6410072			
44	33942	HMD00000383	Increase level of ribose in CSF	housed	urine	Increased level of ribbal in secure Increased level of ribbas in urine pi		RPIA	Ribose-SPhosphale learnerses Deficiency	608611	PMID:14988808 HP_0011013 PMID:14988808			HP_0410071 HP_0410072	done done done				
rboss rboss			Increase level of ribose in CSF	Increased	urine cerebros nel fluid	Increased level of ribose in urine pi Increased level of ribose in cerebrospinal fluid				608611 608611	PMID:1498808 HP_0011013 PMID:1498808 PMID:1498808 HP_0011013 PMID:1498808		An increase in the level of ribose in the urine.  An increase in the level of ribose in the centrospinal fluid.	HP_0H10071 HP_0H10072 HP_0H10073	done done done done	Added new term HP_6410072 Added new term HP_6410073			
rboss			Increase level of ribose in CSF	housed	urine centros ral fluid urine	Increased level of ribose in urine pi Increased level of ribose in centrospinal fluid Increased level of ribose in centrospinal fluid Increased level of ryttol in urine		RPIA.	Ribose-5-Phosphale komerose Deficiency Ribose-5-Phosphale komerose Deficiency	608611	PMID:14588808 HP_0011013 PMID:14588808 HP_0011013		An increase in the level of ribose in the urine.  An increase in the level of ribose in the centrospinal fluid.	HP_0H10071 HP_0H10072 HP_0H10073	done done done done	Added new farm HP_6410072			
nbose nbose splid			Increase level of ribose in CSF	Increased Increased Increased	urine centros rel fluid urine centros	Increased level of righter in server Increased level of ribose in unite pi Increased level of ribose in cembrospinal fluid Increased level of righter in unite pi				608611 608611 608611	PMID:14688008 HP_0011013 PMID:14688008 HP_0011013 PMID:14688008 HP_0011013 PMID:14688008 HP_0011013		An increase in the level of ribose in the urine.  An increase in the level of ribose in the cerebrospinal fluid.  An increase in the level of ribose in the urine.	HP_0410071 HP_0410072 HP_0410073 HP_0410073	done done done done done	Added new term HP_5410072 Added new term HP_5410073 Added new term HP_5410074			
rbose rbose			Increase level of ribose in CSF	Increased Increased Increased	urine centros ral fluid urine	Increased level of righter in server Increased level of ribose in unite pi Increased level of ribose in cembrospinal fluid Increased level of righter in unite pi				608611 608611	PMID:1498808 HP_0011013 PMID:1498808 PMID:1498808 HP_0011013 PMID:1498808	CHEEL 17151	An increase in the level of ribose in the urine.  An increase in the level of ribose in the centrospinal fluid.	HP_0410071 HP_0410072 HP_0410073 HP_0410073	done done done done done done	Added new term HP_6410072 Added new term HP_6410073			
floss rboss rboss syllid syllid	17151	HMD80002917	Increase level of inbose in CSF Increase level of wheey syllid increase level of syllid in CSF	Increased Increased Increased Increased	urine carebros nal fluid urine carebros nal fluid	Increased level of obtain in server Increased level of obcase in unine pictures and level of obcase in unine pictures and level of obcase in cerebrospinal fluid Increased level of rights in units pictures and level of rights in cerebrospinal fluid		RPA	Ribose-SPhosphale komerase Deficiency	638611 638611 638611 638611	PMID:14688006 HP_0011013 PMID:14688006 HP_0011013 PMID:14688006 HP_0011013 PMID:14688006 HP_0011013 PMID:14688006 HP_0011013	CHEER_17151	An increase in the level of ribose in the unine.  An increase in the level of ribose in the centrospinal fluid.  An increase in the level of rights in the unine.  An increase in the level of rights in the centrospinal fluid.	HP_0410071 HP_0410072 HP_0410073 HP_0410073 HP_0410074	done done done done done done med to MIRKOT	Added new term HP_0410072 Added new term HP_0410073 Added new term HP_0410074 Added new term HP_0410074			
ecods ecods bally patrick	17151	HMD80002917	Increase level of ribose in CSF	Increased Increased Increased	urine carebros nal fluid urine carebros nal fluid	Americand level of foliable in servine increased level of foliable in servine increased level of foliable in construction of foliable increased level of foliable in units of foliable increased level of foliable in construction of fail of foreseased level of foliable in construction of fail of foreseased level of foliable in construction of fail of foreseased level of foliable increased level of foliable in construction of fail of foreseased level of foliable in constructions of foliable in constructions.		RPIA GSS	Ribose-5-Phosphale isomerous Celficiency  CLUTATHOME STYCTHETHAS DEFICIENCY	638611 638611 638611 638611 638611	PMID:1408800 HP_0011013 PMID:1408800 HP_0011013 PMID:1408800 HP_0011013 PMID:1408800 HP_0011013 PMID:1408800 HP_0011013 PMID:14088000	CHEER_17151	An increase in the level of ribose in the urine.  An increase in the level of ribose in the cerebrospinal fluid.  An increase in the level of ribose in the urine.	HP_0410071 HP_0410072 HP_0410073 HP_0410073 HP_0410074	done done done done done done med to MIRKOT	Added new term HP_5410072 Added new term HP_5410073 Added new term HP_5410074	done		
rbose rbose rbose yyltid yyltid L-pyroglutamic acid	17151	HMD80002917	horsess level of ribose in CSF horsess level of unitary syllid horsess level of syllid in CSF horsess level of syllid in CSF horsess level of unitary 1, pyraplulantic and	Increased Increased Increased Increased	urine ossbros nal fluid urine ossbros nal fluid urine	Increased level of foliate in some increased level of foliase in other increased level of foliase in overbrospind fluid horseased level of rights in outre increased level of rights in overbrospind fluid horseased level of rights in overbrospind fluid horseased level of rights in overbrospind fluid horseased level of rights and out of the rights horseased level of rights and		RPIA GSS GRAN	Ribase-5-Phosphale komerase Deficiency  GLUTATHORE SHYTHETUSE DEFICIENCY 5-DISEPPOLINEE DEFICIENCY	638611 638611 638611 638611 236130 26035	PMIC1468800 WP_0011013	CHEER_171SI	An increase in the level of follows in the unive.  An increase in the level of follows in the centerruphind fluid.  An increase in the level of rights in the unive.  An increase in the level of rights in the unive.  An increase in the level of rights in the centerruphind fluid.  An increase in the level of II. gyingdishmic and in the unive.	HP_0410071 HP_0410072 HP_0410073 HP_0410073 HP_0410075 HP_0410175	done done done done done done med to MIRKOT	Added new term HP_0410072 Added new term HP_0410073 Added new term HP_0410074 Added new term HP_0410074	done		
those those syltid syltid syltid i-pyroglutanic acid thiphracticis acid	17151 18163	HMD80002917 HMD80000297 HMD800001944	Increase level of ribrase in CSF  Increase level of uptracy sylfact  Increase level of sylfact in CSF  Increase level of sylfact in CSF  Increase level of uptracy is psycapitamic add  Increase level of uptracy methylaucoinic add (inhard)	Increased	urine centros nal fluid urine centros nal fluid urine	horsessed level of foliose in varies  horsessed level of foliose in varies  horsessed level of foliose in combraspinal fluid  horsessed level of rigidal in under  horsessed level of it, syngulations cold in under	Pyrobrtanic acid	RRA GSS GRAN ACADS	Rbose-SFhosphale komense Deficiency  CUUTATHOME SYNTHETASS DEFICIENCY  SOURCESAMED ENFICIENCY  SOURCESAMED ENFICIENCY	608611 608611 608611 608611 608611 286130 286005 201410	PMIC1408800 IP_0011013 PMIC1408800 IP_0011013 PMIC1408800 IP_0011013 PMIC1408800 IP_0011013 PMIC1408800 IP_0011013 PMIC1408000 IP_0004337 PMIC1904440 IP_0004337 PMIC1501460	CHEER_171SI	An increase in the level of rifecce in the curies.  An increase in the level of rifecce in the construption fluid.  An increase in the level of rigidal in the curie.  An increase in the level of rigidal in the curies.  An increase in the level of I. appropriate fluid.  An increase in the level of I. appropriate could in the curies.  An increase in the level of I. appropriate could be the curies.	HP_0410071 HP_0410072 HP_0410073 HP_0410073 HP_0410075 HP_0410175	done done done done done done med to MIRKOT	Added new term HP_0410072 Added new term HP_0410073 Added new term HP_0410074 Added new term HP_0410074			
those those syltid syltid syltid i-pyroglutanic acid thiphracticis acid	17151 18163	HMD80002917 HMD80000297 HMD800001944	horsess level of ribose in CSF horsess level of unitary syllid horsess level of syllid in CSF horsess level of syllid in CSF horsess level of unitary 1, pyraplulantic and	Increased Increased Increased Increased	urine centros nal fluid urine centros nal fluid urine	Increased level of foliate in some increased level of foliase in other increased level of foliase in overbrospind fluid horseased level of rights in outre increased level of rights in overbrospind fluid horseased level of rights in overbrospind fluid horseased level of rights in overbrospind fluid horseased level of rights and out of the rights horseased level of rights and	Pyrobranic acid Pyrobranic acid	RRA GSS GPLAN ACADS ETHEL	Ribase-5-Phosphale komerase Deficiency  GLUTATHORE SHYTHETUSE DEFICIENCY 5-DISEPPOLINEE DEFICIENCY	608611 608611 608611 608611 608611 286130 286005 201410	PMIC1468800 WP_0011013	CHEER_171SI	An increase in the level of follows in the unive.  An increase in the level of follows in the centerruphind fluid.  An increase in the level of rights in the unive.  An increase in the level of rights in the unive.  An increase in the level of rights in the centerruphind fluid.  An increase in the level of II. gyingdishmic and in the unive.	HP_0410071 HP_0410072 HP_0410073 HP_0410073 HP_0410075 HP_0410175	done done done done done done med to MIRKOT	Added new term HP_0410072 Added new term HP_0410073 Added new term HP_0410074 Added new term HP_0410074	done		
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inal data	Metabolite_name	CHEBI	HMDB	HPO TERM REQUEST	Change Location	HPO Label	Synonym	GENELOCUS ASSOCIATION	OMM or Disease	OMM ID	KEY PUBLICATION	parent	terms that were MREOTed	def	New term ID	Logical def	Commit message	Need to add HPO annota
	1,5-anhydro-D-glucitol (1,5 anhydrosorbitol)	16070	HWD80002712	Decrease of 1,5 anhydroglacital level in the serum		Decreased level of 1,5 arthydroductol in serum		IDDM	Type I Diabetes (Meltitus diabetes) https://www.omim.org/setry/222100		PMID:9357814 PMID:17659063 PMID:16731998	UP COMMON		A decrease in the normal concentration of 1,5 arrhydrogluchol in the serum: 1,5-Arrhydrosorbido or 1,5- arrhydrogluchol (1,5-AG) is a widelated marker of short- term glycemic control. This substance is derived mainly from food, is well absorbed in the intestine, and is distributed to all crosses and fissues.	HP 0410050			
ditions				Increase of urinary		Increased level of 3-hydroxy-3-					PMID:23705938			An increase in the level of 3-hydroxy-3-methylglutaric acid		00114		,
	3-hydroxy-3-methylglutaric acid	16831	HWD8000355	3-hydroxy-3-methylglutaric acid level	Increased urine	methylglutaric acid in urine Increased level of allantoin in		HMGCL	HMG-CAALVASE DEFICIENCY	246450	PMID:15505778	HP_0003215	CHEBI_16831	in the urine.	HP_0410051	done		у
was d	allantoin	15676	HWD80000462	Increase of serum aliantoin level	Increased serum	Increased level of allanton in serum			Chronic Renal Failure	MONDO_0005300	PMID:18636793	HP_0004364	CHEBI_15676	An increase in the level of allantoin in the serum.	HP_0410052	done	Added new term HP_0410052 Increase	4 y
	aminobutyric acid gamma-aminobutyric acid	16865	HMD90000112	Increase of serum GABA level	Increased serum	Increased level of aminobutyric acid gamma-aminobutyric acid in serum	Increased level of GABA in serum		hepatic encephalopathy -	MONDO 0001711	PMID: 1485027	HP 0003112		An increase in the level of aminobutyric acid gamma-aminobutyric acid in the serum.	HP_0410053	done	Added new term HP_0410053 Increase	(v
	aminobutyric acid gamma-aminobutyric acid			Decrease of serum GABA level	Decreased serum	Decreased level of aminobutyric acid gamma-aminobutyric acid in serum	Decreased level of GABA in serum		Alzheimer disease	104300	PMID: 17031479	HP_0003112		A decrease in the level of aminobutyric acid gamma-aminobutyric acid in the serum.	HP_0410054	done	Added new term HP_0410054 Decrees	
	erythritol	17113	HMD80002994	Decrease level of urinary erythritol level	Decreased urine	Decreased level of enythritol in urine		RPIA	RIBOSE S-PHOSPHATE ISOMERASE DEFICIENCE	608611	PMID: 14988808	HP 0011013	CHEBI 17113	A decrease in the level of enrithing in the urine.	HP 0410055	done	Added new term HP 0410055	v
					cerebros	Decreased level of erythritol in								A decrease in the level of erythritol in the cerebrospinal	HP_0410056		Added logical delifor HP_6410056	
	erythritol				Decreased pinal fluid	Decreased level of D-mannose in				608611		HP_0025454		Buid		oone		7
	D-mannose	16024	HMD80000169	Decrease level of urinary mannose level Increase level of threitol in the plasma Increase level of threitol in CSF	Decreased urine	urine Increased level of D-threitol in		Becket syndrome	Behoet's syndrome	109650	PMID:29099052	HP_0011013	CHEBI_16024	A decrease in the level of D-mannose in the urine.	HP_0410060	done	Added logical del for HP_0410060	у
	D-threitol	48300	HMD80004136	Increase level of threitol in the urine	Increased plasma	plasma Increased level of D-threitol in		RPIA	Ribose-5-Phosphate Isomerase Deficiency	608611	PMID: 14988808	HP_0011013	CHEBI_48300	An increase in the level of D-threitol in the plasma.  An increase in the level of D-threitol in the cerebrospinal	HP_0410057	done	Added logical del for HP_6410057	у
	D-threitol				Increased pinal fluid	cerebrospinal fluid				608611				An increase in the level of U-threstor in the cerebrospinal fluid.	HP_0410058	done	Added logical del for HP_0410058	у
	D-threitol				Increased urine	Increased level of D-threitol in urine				608611				An increase in the level of D-threitol in the urine.	HP_0410059	done	Added logical del for HP_0410059	Y
	galactitol	16813		Increase level of galactitol in the plasma Increase level of galactitol in the urine	Innessed nisses	Increased level of galactitol in		GALT	Galactosemia		PMID: 11092512	UD COMOUN	OUTDI 40040	An increase in the level of galactital in the plasma.	HP 0410061	done	Added new term HP 0410061	
		16813	HMD8000107	Increase level of galactitol in the unne		Increased level of galactitol in		GALI			PMID:/6/1965	HP_0011013	CHEBI_16813					у
	galactitol					urine Increased level of galactonate in				230400				An increase in the level of galactitol in the urine.  An increase in the level of galactorate in the red blood	HP_0410062	done	Added new term HP_0410062	у
	galactorate	16534	HWD8000365	Increase level of galactorate in Red Blood Cell	Increased cells	ned blood cells		GALT	Calactosemia	230400	PMID: 14680973	HP_0004354	CHEBI_16534	cells.	HP_0410063	done	Added logical del for HP_0410063	у
	galactitol	16813			Increased cells	Increased level of galactitol in red blood cells				230400		HP_0011013		An increase in the level of galactitol in the red blood cells.	HP_0410064	done	Added logical del for HP_0410064	у
				Increase level of hippuric acid in the blood -		Increased level of hippuric acid in					PMID:22626821							
	hippuric acid	18089	HMD80000714	Increase level of hippuric acid in the urine	Increased blood	blood Increased level of hippuric acid in			Chronic Kidney Diseases HMG-Osa LYXSE DEFICIENCY (246450) Approsaccionic acidaria Propinci acidemia Tyrosisemia Pharyikathrunia Mello soma mire riseasea	MONDO_0005300 246450 			CHEBI_18089	An increase in the level of hippuric acid in the blood.  An increase in the level of himself acid in the urine	HP_0410065	done	Added logical del for HP_6410065  Added logical del for HP_6410066	y
	L-facese	18287	HMD80000174		Increased urine	Increased level of L-fucese in urine			Stomach cancer Liver Cancer Calibiadder cancer Bille-duct cancer Pannsaide cancer Pannsaide cancer Cerhools	613659 MONDO_0002691 MONDO_0005411 MONDO_0003059 260350 MONDO_0006519			CHEBI_18287	An increase in the level of L-facose in the urine.	HP_0410067	done	Added logical del for HP_6410067	y
	L-glutamic acid	16015	HMD8000148	Increase level of L-glutamic in the blood of a newbornfinfant	Innessed Novel	Increased level of L-glutamic acid in blood		NAGS	N-Acetylglutamate synthetase deficiency (2373-11)	237310	PMID: 7623444	HP 0010902	CHERI 16015	An increase in the level of L-glutamic acid in the blood.	HP 0410068	done	Added new term HP 0410068	
						Increased level of propylene			(44-1-4)									
	propylene glycol	16997		Increase level of propylene glycol in blood Increase level of urinary ribitol Increase level of ribitol in CSF		glycal in bload			Cinhosis		PMID: 3426740			An increase in the level of propylene glycol in the blood.		done	Added logical del for HP_6410069	у
	ribitol	15963	HML180000508	Increase level of ribitol in serum		Increased level of ribital in urine Increased level of ribital in		RPIA	Ribose-5-Phosphate Isomerase Deficiency	608611	PMID: 14988808	HP_0011013	CHEBI_15963	An increase in the level of ribital in the urine.	HP_0410070	done	Added new term HP_0410070	у
	ribital				Increased pinal fluid					608611 608611		HP_0011013		An increase in the level of ribital in the cerebrospinal fluid.	HP_0410071	done	Added logical del for HP_6410071	у
	au.			Increase level of urinary ribose		managed lavel of ribits in corum												7
	ribose	33942	HMD80000283	Increase level of ribose in CSF		Increased level of ribose in urine Increased level of ribose in		RPIA	Ribose-5-Phosphate Isomerase Deficiency	608611	PMID: 14988808	HP_0011013	CHEBI_33542	An increase in the level of ribose in the urine.	HP_0410072	done	Added new term HP_0410072	у
	ribose				Increased pinal fluid					608611				An increase in the level of ribose in the cerebrospinal fluid	HP_0410073	done	Added new term HP_0410073	у
	xyital	17151	HMDB0002917	Increase level of urinary sylitol Increase level of sylitol in CSF		Increased level of xylitol in urine		RPIA	Ribose-5-Phosphate Isomerase Deficiency	608611	PMID: 14988808	HP_0011013	CHEBI_17151	An increase in the level of xylltol in the urine.	HP_0410074	done	Added new term HP_0410074	у
	xylital				Increased pinal fluid					608611				An increase in the level of xylitol in the cerebrospinal fluid.	HP_0410075	done	Added new term HP_0410075	у
	L-ovroolutamic acid	18183	HMDB0000267	Increase level of urinary L-pyroglutamic acid	Increased urine	Increased level of L-pyroglutamic acid in urine		GSS	GLUTATHIONE SYNTHETASE DEFICIENCY	266130	PMID:4557757	HP 0011013		An increase in the level of L-evroplutanic acid in the urine				
_	L-pyroglutamic acid			Increase level of urinary L-pyroglutamic acid	Increased urine	Increased level of L-pyroglutamic acid in urine		OPLAH	5-OXOPROLINASE DEFICIENCY		PMID: 10094443			An increase in the level of L-pyroglutamic acid in the urine				