	guanine	
	deoxyinosine	
	amp	
	glutamine	
	glyoxylate	
	gdp	
	carbamoyl phosphate	
	adp	Purine metabolism
	dgdp	0.5
	idp	-0.5 -1
	urea	sig
	adenosine 5-phosphosulfate	FALSE TRUE
	uric acid	
	hypoxanthine	
	guanosine 5-diphosphate,3-diphosphate	
	gtp	
	dgtp	
	atp	
	xanthosine	
	guanosine	