

TABLE 2. Free energy change of various phosphate transfer reactions<sup>a,b</sup>

Phosphoryl donor	$\Delta G'$ (kcal/mol) <sup>b</sup>
Phosphoenolpyruvate.....	-12.8
1,3-Diphosphoglycerate .....	-11.8
$\beta$ -L-Aspartyl phosphate .....	-11.5
Acetyl phosphate.....	-10.1
ATP.....	-7.6
PP <sub>i</sub> .....	-6.6
ADP.....	-6.4
Galactose 1-phosphate .....	-5.0
Glucose 1-phosphate.....	-5.0
2-Phosphoglycerate .....	-4.2
Fructose 6-phosphate.....	-3.8
Glucose 6-phosphate.....	-3.3
3-Phosphoglycerate .....	-3.1
Fructose 1-phosphate.....	-3.1
Glycerol 1-phosphate.....	-2.3

<sup>a</sup> Modified from reference 128.

<sup>b</sup> 1 kcal/mol = 4.184 kJ/mol.