

Table 2. Average concentrations of bases and nucleosides in extracellular fluids and cells

Compound	Concentration (μM) \pm SD		
	Extracellular	Intracellular	Reference
adenine	4.4 \pm 2.6	1.5 \pm 1.1	21–26
adenosine	3.2 \pm 2.9	1.8 \pm 1.4	23–29
cytosine	6.4 \pm 8.5		25, 27, 30, 31
cytidine	4.1 \pm 2.9		25, 27, 30–35
deoxycytidine	12.1 \pm 14.6		22, 25, 31, 35
guanine	0.4	97	25, 36
guanosine	4.5 \pm 2.9	7.1	25, 27, 37
hypoxanthine	2.8 \pm 1.6	570 \pm 483	21, 23, 25, 26, 29, 35, 38–42
inosine	4.0 \pm 6.2	211 \pm 28	23, 25, 26, 27, 29, 35, 37, 39, 40–45
orotate	0.1	62	8, 46–49
orotidine	5.0	85	8, 50
thymine	2.4		25, 27
deoxythymidine	4.0 \pm 4.9		22, 25, 27, 35, 51–53
uracil	4.3 \pm 7.1		21, 25, 27, 31, 54
uridine	5.3 \pm 4.2	15.4 \pm 10	22, 25, 30–35, 37, 40, 41, 43, 45, 54–61
deoxyuridine	0.6 \pm 0.3		22, 35, 62