

**Table 2.** Fraction of the total flux to  $^{14}\text{CO}_2$  via the OPPP. Note that only one of the six carbon atoms in  $[1\text{-}^{14}\text{C}]\text{glucose}$  and  $[6\text{-}^{14}\text{C}]\text{glucose}$  are labeled, whereas the label in  $[\text{U-}^{14}\text{C}]\text{glucose}$  is divided among all six atoms. Glc, glucose; % of total flux to  $^{14}\text{CO}_2$  via the OPPP =  $100 \times 3.42/79.5 = 4.3\%$ .

	$[1\text{-}^{14}\text{C}]\text{Glucose}$	$[6\text{-}^{14}\text{C}]\text{Glucose}$	$[1\text{-}^{14}\text{C}]\text{Glucose}$ minus $[6\text{-}^{14}\text{C}]\text{glucose}$ (OPPP)	$[\text{U-}^{14}\text{C}]\text{Glucose}$
$[^{14}\text{C}]\text{Glucose}$ converted to $^{14}\text{CO}_2$ (%)	2.32	0.95	1.37	5.3
Nano equivalents $^{14}\text{C}$ per nmols $[^{14}\text{C}]\text{glucose}$	1	1	1	6
nmol glucose initially present	250	250	250	250
Nano equivalents $^{14}\text{C}$ initially present	250	250	250	1500
nmol $^{14}\text{CO}_2$ produced	5.80	2.38	3.42	79.5