

# Aminoácidos precursores de glucosa

table 20-3

## Glucogenic Amino Acids, Grouped by Site of Entry\*

<b>Pyruvate</b>	<b>Succinyl-CoA</b>
Alanine	Isoleucine <sup>†</sup>
Cysteine	Methionine
Glycine	Threonine
Serine	Valine
Tryptophan <sup>†</sup>	
<b>α-Ketoglutarate</b>	<b>Fumarate</b>
Arginine	Phenylalanine <sup>†</sup>
Glutamate	Tyrosine <sup>†</sup>
Glutamine	
Histidine	<b>Oxaloacetate</b>
Proline	Asparagine
	Aspartate

\*These amino acids are precursors of blood glucose or liver glycogen because they can be converted to pyruvate or citric acid cycle intermediates. Only leucine and lysine are unable to furnish carbon for net glucose synthesis.

<sup>†</sup>These amino acids are also ketogenic (see Fig. 18-19).

