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Figure 1. Daytime metabolism of organic acids in C_3 and CAM plants; arrow thickness denotes flux. A, Organic acids are directly derived from photosynthesis during the day. This model is obsolete for many C_3 species due to the results of flux analyses. B, In many C_3 plants, the use of organic acids is based on organic acids produced and stored during the night according to flux analyses. C, Daytime metabolism of organic acids in CAM plants. 2-OG, Oxoglutarate; CBBc, Calvin-Benson-Bassham cycle; CHO, carbohydrates; OAA, oxaloacetate; Pyr, pyruvate; TP, triosephosphate.

Страсбургер стр148 там на одной картинке все три варианта

Amino Acids (2001) 20: 225–241

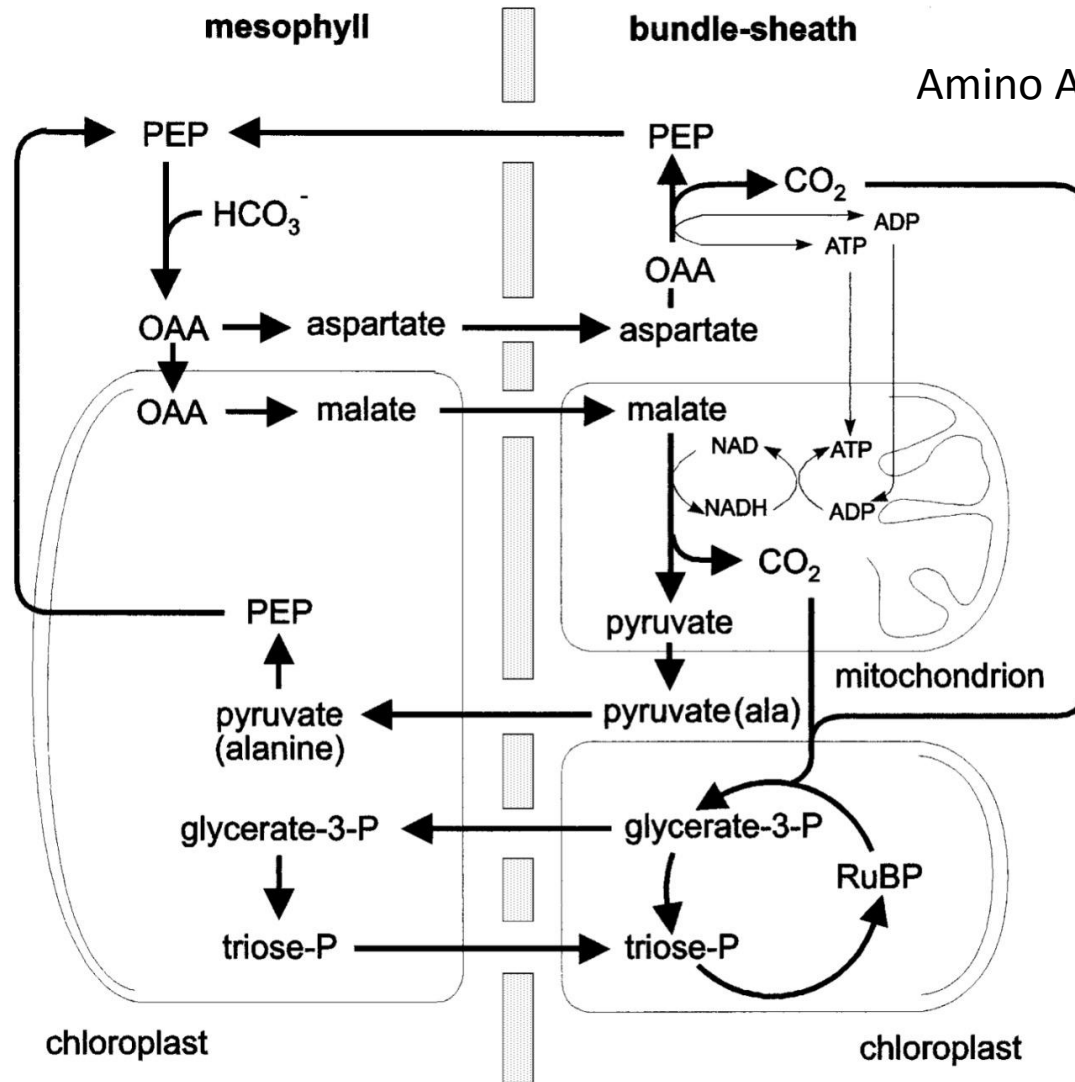


Fig. 1. The intracellular compartmentation of the PEP-carboxykinase type pathway of C4 photosynthesis. Note that both PEPCK and NAD-ME carry out the decarboxylation reactions. NADH formed by NAD-malic enzyme is used to generate the ATP required for PEPCK. Alanine and aspartate are shuttled between the mesophyll and bundle sheath cells, in order to maintain a balance of amino groups between the two compartments (Leegood, 1997)