



Fosforan dihydroksyacetonu w chemii i biochemii=Dihydroxyacetone phosphate in chemistry and biochemistry.

Autorzy

Katarzyna Ślepokura

Tadeusz Lis

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Streszczenie

Dihydroxyacetone phosphate (DHAP)-the phosphate ester of a simple sugar, dihydroxyacetone (DHA)- is the crucial biochemical intermediate of great biological importance, which has been well known for many years. The biological function of DHAP and its wide application as a C3 building block in organic synthesis, along with the chemical synthetic methods yielding DHAP and its derivatives, are described. Some most recently determined crystal structures of DHAP, as well as of a newly discovered dimeric form of it, are presented. We hope that the combination of all the information reported with some structural features of DHA, also described here, will lead us to some answers on DHAP mystery.

Słowa kluczowe

sugars, sugar phosphates, dihydroxyacetone (DHA), dihydroxyacetone phosphate (DHAP), DHAP application

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