

Biosynteza kwasu galusowego i jego zastosowanie

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Biosynthesis of gallic acid and its application

Summary

Gallic acid belongs to aromatic plant substances (polyphenols). Two main biosynthesis pathways in plants of this compound were described as shikimate and polyketide pathways. Gallic acid is applied in agriculture, where it is used as inhibitor of aflatoxin produced by *Aspergillus*. Gallic acid is also used in food manufacture, as antioxidant, sweetener or antiseptical and antifungal substance. Furthermore, gallic acid effectively prevents and inhibits diseases' progress. It can be used in the therapy of diabetes type II, neoplastic and allergic diseases or in treatment of arteriosclerosis.

Key words:

gallic acid, plants, biosynthesis

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