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D. Catelani, C. Sorlini and V. Treccani; "The Metabolism of Biphenyl by Pseudomonas putida", Experientia, 27/10, pp 1173-1174.

This article describes further characterization of the metabolism of organic contaminants by Pseudomonas putida. The species is capable of oxidizing biphenyl as its sole carbon source.

As is the case with other aromatic hydrocarbons, biphenyl undergoes oxidation to a diol. The diol isolated in this study was 2, 3-dihydro-2, 3-dihydroxy-biphenyl. The dehydration product of the diol was identified as 2-hydroxybiphenyl. Further degradation of the diol leads to the production of benzoic acid through a series of unidentified compounds. Further study is anticipated to characterize the intermediate metabolic products Yielding benzoic acid.