



## Derivative (Chemistry)

By Frederic P. Miller

Alphascript Publishing. Taschenbuch. Condition: Neu. Neuware - In chemistry, a derivative is a compound that is derived from a similar compound or a compound that can be imagined to arise from another compound, if one atom is replaced with another atom or group of atoms. The latter definition is common in organic chemistry. In biochemistry, the word is used about compounds that at least theoretically can be formed from the precursor compound. Chemical derivatives may be used to facilitate analysis. For example, melting point (MP) analysis can assist in identification of many organic compounds. A crystalline derivative may be prepared, such as a semicarbazone or 2,4- dinitrophenylhydrazone (derived from aldehydes/ketones), as a simple way of verifying the identity of the original compound, assuming that a table of derivative MP values is available. Prior to the advent of spectroscopic analysis, such methods were widely used 68 pp. Englisch.



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