

**enzyme induction (in general chemistry)**

The process whereby an (inducible) enzyme is synthesized in response to a specific molecule (cf. *inducer*). The inducer molecule (often a *substrate* that needs the catalytic activity of the inducible enzyme for its metabolism) combines with a *repressor* and thereby prevents the blocking of an *operator* by the repressor.

1992, 64, 152

N.B. See also the entry for “*enzyme induction (in medicinal chemistry)*”

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IUPAC Compendium of Chemical Terminology 2nd Edition (1997)