

## **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.

**See also:** enzyme induction (in medicinal chemistry)

**Source:**

PAC, 1992, 64, 143 (*Glossary for chemists of terms used in biotechnology (IUPAC Recommendations 1992)*) on page 152