A racemic mixture or racemate (symbol: $dl$ or ±) is a mixture of enantiomers at 1:1 molar ratio.

eg: Lactic acid exists as a pair of enantiomers, ($R$)-lactic acid and ($S$)-lactic acid.

A mixture of ($R$)-lactic acid and ($S$)-lactic acid at 1:1 molar ratio is a racemic mixture of lactic acid (symbol: $dl$ – lactic acid or ± – lactic acid).

see also scalemic mixture

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**Contributors**

- [Gamini Gunawardena](https://www.utahvalley.edu/) from the [OChemPal site](https://www.utahvalley.edu/) (Utah Valley University)