

## **intramolecular charge transfer, (ICT)**

Process that changes the overall charge distribution in a molecule.

Note:

For intramolecular charge transfer in the excited state, several models are discussed in the literature based on the molecular structure of the final state reached upon photo-induced ICT: planar intramolecular charge transfer (PICT) or twisted intramolecular charge transfer (TICT). For example, an ICT has been proposed to be responsible for the strongly Stokes-shifted additional fluorescence band in fluorescent molecules with two fluorescence bands (dual fluorescent molecules).

**Source:**

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 357