

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).

2007, 79, 357