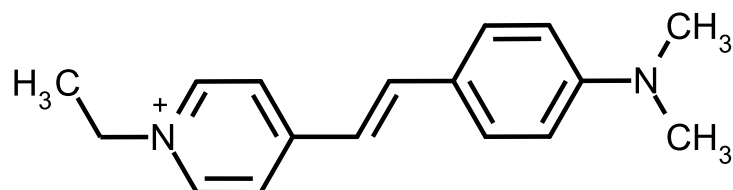


cyanine dyes

Synthetic dyes with the general formula $R_2N[CH=CH]_nCH=N^+R_2 \leftrightarrow R_2N^+=CH[CH=CH]_nNR_2$ (n is a small number) in which the nitrogen and part of the conjugated chain usually form part of a heterocyclic system, such as imidazole, pyridine, pyrrole, quinoline and thiazole, e.g.



Source:

PAC, 1995, 67, 1307 (*Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)*) on page 1329