

Author's note

Willaert K, Engelborghs Y (1991) Eur Biophys J 20:177–182. The quenching of tryptophan fluorescence by protonated and unprotonated imidazole

Since the publication of this work, it has been found that the imidazole sample shows a trace fluorescent impurity, which interferes with the lifetime measurements of N-acetyl tryptophan amide. Using pure imidazole, the fluorescence quenching process at pH 4.5 and 9.0 is found to follow a collisional mechanism in both lifetime and steady-state measurements for imidazole concentrations up to 0.3 M. At pH 4.5 the quenching is 14 times more efficient than at pH 9.0.