

intermediates (and their reactions)

O 0190

48 - 080

Cation Radical-Nucleophile Combination Reactions. Reactions of Nitrogen-Centered Nucleophiles with Cation Radicals Derived from Anthracenes. — Steric (and electronic) effects of pyridine substituents and 9- substituents of the cation radicals (I) determine the rate constants of the substitution reaction of (I) with (II). Anthracene and its 9- phenyl derivative react slower than (I) by 102 times. Energetic considerations rule out that an initial electron transfer mechanism is operating. — (REITSTOEEN, B.; PARKER, V. D.; J. Am. Chem. Soc. 113 (1991) 18, 6954-6958; Dep. Chem. Biochem., Utah State Univ., Logan, UT 84322-0300, USA; EN)

