



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

The "Benzyne" Mechanism

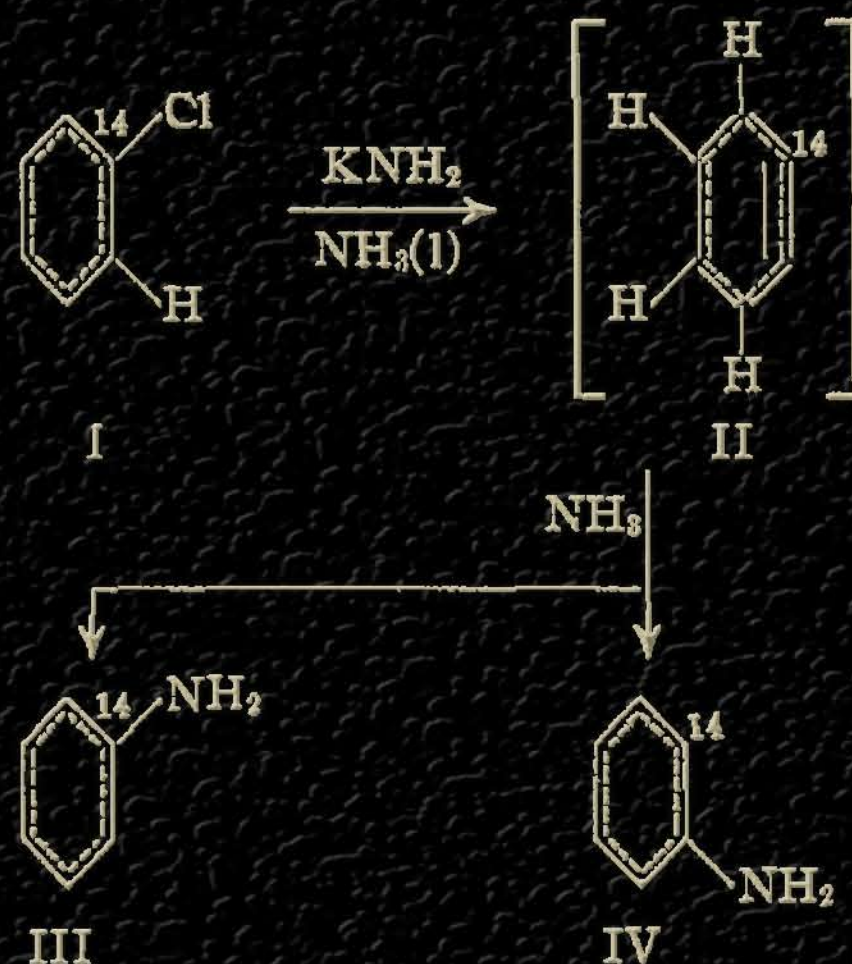


J. Am. Chem. Soc. 1953, 75, 3290-3291.

REARRANGEMENT IN THE REACTION OF CHLORO- BENZENE-1-C¹⁴ WITH POTASSIUM AMIDE¹

Sir:

No satisfactory explanation has been published for the rearrangements which often occur in the amination of "non-activated" aryl halides with alkali-metal amides.²



DEPARTMENT OF CHEMISTRY AND
LABORATORY FOR NUCLEAR
SCIENCE AND ENGINEERING
MASSACHUSETTS INSTITUTE OF
TECHNOLOGY, CAMBRIDGE 39, MASS.

JOHN D. ROBERTS¹⁰
HOWARD E. SIMMONS, JR.
L. A. CARLSMITH
C. WHEATON VAUGHAN

RECEIVED MARCH 12, 1953

Reprinted with permission. Copyright 1953 American Chemical Society.

Presented to the Department of Chemistry, MIT
2007