Heine reaction

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The chemist

- Picture not found
- Worked in Bucknell University
- He had a lot of students
The First Time to be reported

The reaction

Aziridines

Oxazolines

Oxidation

Solvation
General Scheme

\[ \text{X: O, S, NR} \]

\[ \text{Solvent: isopropanol, Acetone, Acetonitrile} \]
Mechanism

Advantages:

Aziridine ring opening under mild and neutral conditions

Stereospecific
Reaction in the absence of I⁻

Oxazolines are important motif in asymmetric catalysis.

Application

Thank You!