

# REGIOSELECTIVE RING OPENING REACTION OF 3-TRIFLUOROMETHYLAZIRIDINE WITH SOME NUCLEOHILES

Pham Thi Tham, Pham The Chinh, Dang Thi Tuyet Anh, Ngo Thi Thuan va Nguyen Van Tuyen

## TÓM TẮT:

Abstract: The ring opening reaction of 3-trifluoromethylaziridine with oxygen- and sulfur-nucleophiles is carried out under basic conditions in good to high yield with excellent regioselectivity. The regiospecific ring opening of 3-trifluoromethylaziridine by oxygen-nucleophiles as an entry to azetidine synthesis is surprising and has not yet been described in the literature so far.

Keywords: aziridine, ring opening mechanism, regioselective, oxygen- and sulfur-nucleophiles

//