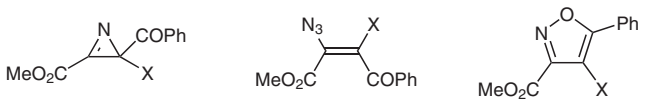
Erratum

Reactivity of 2-Halo-2*H*-azirines. Part II. Thermal Ring Expansion Reactions: Synthesis of 4-Haloisoxazoles

Teresa M. V. D. Pinho e Melo,* Cláudia S. J. Lopes, António M. d'A. Rocha Gonsalves, Richard C. Storr *Synthesis* **2002**, 605.

We had reported that under thermolysis 2-benzoyl-2-halo-2*H*-azirine-3-carboxylates **1** undergo ring expansion giving products in high yield which were identified as being 4-haloisoxazoles **3** (Scheme 1). The same products can also be obtained in high yield from the thermolysis of haloazidoalkenes **2** via intermediate 2-benzoyl-2-halo-2H-azirines **1**.



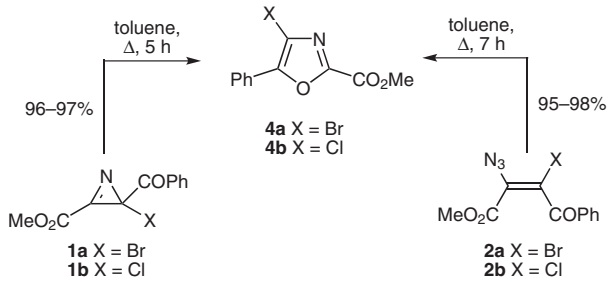
1a X = Br
1b X = Cl

2a X = Br
2b X = Cl

3a X = Br
3b X = Cl

Scheme 1

Recently, new data have been disclosed allowing to demonstrate that methyl 2-benzoyl-2-halo-2*H*-azirine-3-carboxylates undergo thermal ring expansion to give 4-halo-5-phenyl-1,3-oxazole-2-carboxylates **4** and not the isomeric isoxazoles (Scheme 2).[1] These 1,3-oxazoles can also be obtained in high yield from haloazidoalkenes **2**.



4a X = Br
4b X = Cl

1a X = Br
1b X = Cl

2a X = Br
2b X = Cl

Scheme 2

Reference

(1) Lopes, S.; Nunes, C. M.; Fausto, R.; Pinho e Melo, T. M. V. D. *J. Mol. Struct.* **2009**, *919*, 47.