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HETEROCYCLIZATION OF 4-TRIFLUOROACETYL-1,3-OXAZOLIUM-5-OLATES WITH 1,4-*BIS*-NUCLEOPHILES

Masami Kawase(河瀬雅美)^{*1}, Hiromi Koiwai(小岩井広美)¹, Toru Tanaka (田中 亨)¹, Satoru Tani (谷 覚)¹, and Hiroshi Miyamae²

¹Faculty of Pharmaceutical Sciences, Josai University, Saitama, Japan ²Faculty of Science, Josai University, Saitama, Japan

Reactions of aromatic 1,4-*bis*-nucleophiles such as σ -phenylenediamine and σ -aminothiophenol, with mesoionic 4-trifluoroacetyl-1,3-oxazolium-5-olates (1) gave regiospecifically seven member trifluoromethylated heterocycles such as 1,5-benzodiazepines (3) and 1,5-benzothiazepines (4). The reaction with σ -aminophenol afforded non-cyclized products (5). The structures of 3, 4, and 5 were established by X-Ray diffraction analysis.

