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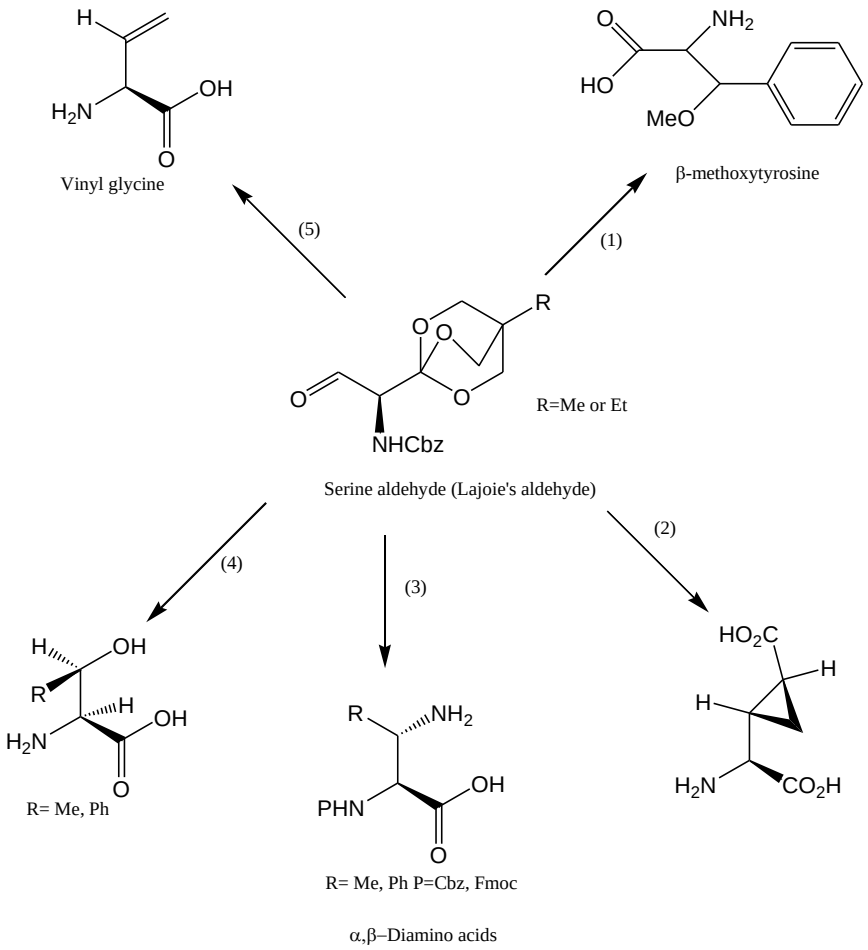
Serine Aldehyde Synthons
New Serine Aldehyde Intermediates for Amino Acid Synthesis from Park Place Research

2nd April 2012

Park Place Research is pleased to announce the commercial availability of Lajoie's aldehyde, which is an extremely useful and important intermediate for the synthesis of a variety of structurally diverse amino acids. We have developed the chemistry so that the building block is a crystalline stable compound that can be stored at room temperature without any noticeable degradation after months. The compound is currently available at multi-gram scale along with two homoserine analogues. Numerous types of amino acids that can be synthesised from this starting material are highlighted in the scheme below;



References:
1). M. M. Joullie *et a*l, J. Org. Chem., 2005, 70, 3120
2). G. A. Lajoie *et al*, J. Org. Chem., 1999, 64, 8958
3). G. A. Lajoie *et al*, J. Org. Chem., 1999, 64, 6106
4). G. A. Lajoie *et al*, J. Am. Chem. Soc., 1993, 115, 5021
5). G. A. Lajoie *et al*, Tetrahedron, 2001, 57, 1497

Applications

- α,β-diamino acids, β-methyltyrosine, cyclopropyl amino acids

For more information, including pricing, contact us or please visit http://www.parkplaceresearch.com/

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