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Heterocycles of biological importance: Part 7. Synthesis of biologically active pyrimido[2,1-b]benzothiazoles from acetylenic acids and 2-aminobenzothiazoles

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Abstract

Conjugate addition of the imino nitrogen of 2-aminobenzothiazoles 1 to the alkyne β -carbon atom of acetylenic acids 2 followed by ring closure gives rise to novel 2H-pyrimido[2,1-b]benzothiazol-2-ones in good yield.

Keywords

Amidines, Cyclocondensation, Fused nitrogen heterocycles, Michael addition