Novel Syntheses of Some New
3,4-Dihydrospiro{benzimidazo[1,2-a]
pyridine-3,3'-indolin}-2'-one Derivatives

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Abstract:

2-Methylbenzimidazole 1 reacted with 3-dicyanomethylidine- 1-ethyl-2-oxoindoline 2 in ethyl acetate to afford 1-amino-2-cyano-3,4-dihydro-10-ethylspiro{benzimidazo[1,2-a]pyridine-3,30-indolin}-20-one 6, which was used as a key intermediate in the synthesis of fused spiroheterocyclic derivatives of benzimidazopyridopyrimidine and/or benzimidazonaphthyridine nucleus incorporating an indoline moiety.

Keywords:

Synthesis – Spiro – Spiroheterocycles – Spiro{benzimidazo[1,2-a] pyridine-3,30-indolin}

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