

HETEROCYCLIC SYNTHESIS WITH BROMINATED MALONONITRILES

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Exploratory chemistry with mono- and dibrominated malononitriles has led to pyrimido[4,5-e]-as-triazines (1) and 5-cyano-3,4-diaminothiazolines (2). The highly functionalized thiazoline 2 (R=H) served as an intermediate for 2-substituted derivatives (R=Ac, C(S)NHR, C(O)NHR) and the tricyclic compound 3, whereas 2 (R=Me) was an intermediate for the unexpected rearrangement product 4. A mechanism for the formation of 4 will be suggested.

