

Title: Efficient synthesis for novel pyrimido[4,5-*e*][1,3,4]thiadiazine derivatives.

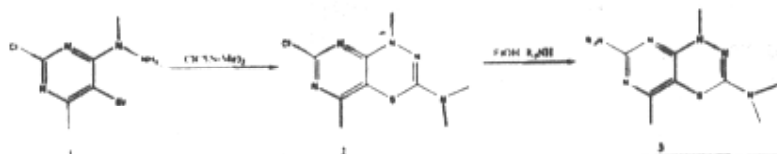
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Growing interests on the synthesis of pyrimido[4, 5- *e*] [1, 3, 4] thiadiazine derivatives arises from their diverse biological activities [1-5]. Despite their importance from pharmacological and synthetic point of views, comparatively few methods for their preparation have been reported. Our research group has reported the synthesis of these compounds by condensation of 5-bromo-2-chloro-6-methyl-4-(1-methylhydrazino) pyrimidine with carbon disulfide and alkylhalides [6] & Isothiocyanates[7]. Our present strategy for the synthesis of these heterocycles included the condensation of 1-(5-bromo-2-chloro-6-methylpyrimidin-4-yl)-1-methylhydrazine **1** with dimethyl thiocarbamoyl chloride and further replacement of the chlorine atom with secondary amines (Scheme 1).



References:

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