

A convenient method for synthesis of bis-2,2'-(1,3,4-thiadiazole) and bis-3,3'-(1,2,4-triazole) derivatives

Ahmad S. Shawali, Abdelwahed R. Sayed and Mohie M.

Abstract

Reactions of the bis-hydrazoneyl chloride **1** with ketene *N,S*-acetal **2** and the active methine thioanilides **4** and **6** provide a new convenient site-selective synthetic strategy to functionalized bis-3,3'-(1,2,4-triazoles) **3** and bis-2,2'-(1,2,4-thiadiazoles) **5** and **7**.

Published In: Journal of Sulfur Chemistry