

# Reactions of 1,2,4-Triazole Derivatives with a “Model” Thiirane

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**Abstract**—Reactions of 3-mono- and 3,5-disubstituted 1,2,4-triazoles with a “model” thiirane, 8-bromo-1,3-dimethyl-7-(thiiran-2-ylmethyl)-3,7-dihydro-1*H*-purine-2,6-diones proceed at the positions N<sup>1</sup> and N<sup>2</sup> of the triazole ring and yield 7-(5-R-3-R'-1,2,4-triazol-1-yl)methyl- and/or 7-(5-R'-3-R-1,2,4-triazol-1-yl)methyl-1,3-dimethyl-6,7-dihydro[1,3]thiazolo[2,3-*f*]-purine-2,4-(1*H*,3*H*)-diones. 3-Methylsulfonyl-1,2,4-triazole reacted regiospecifically at the position N<sup>1</sup> forming 1,3-dimethyl-7-[(3-methyl-sulfonyl-1,2,4-triazole-1-yl)-methyl]-6,7-dihydro[1,3]thiazolo[2,3-*f*]purine-2,4-(1*H*,3*H*)-dione.

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