

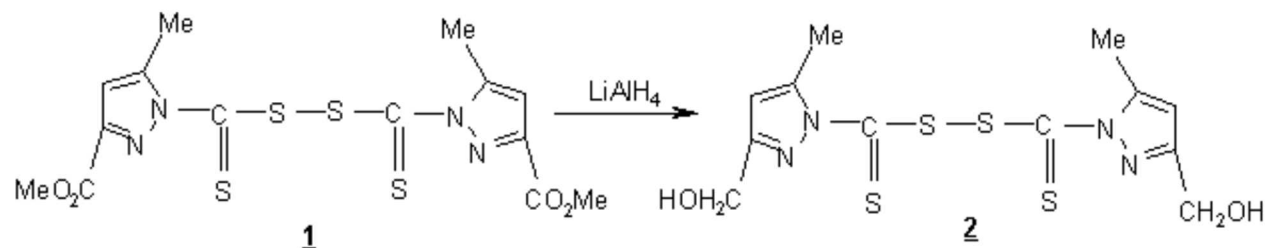
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Bis[(3-hydroxymethyl-5-methyl pyrazol)-1-yl Thiocarbonyl] Disulfide

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This experiment is performed according to literature method [1-4]. To a solution of bis[(3-methoxycarbonyl-5-methyl pyrazol)-1-yl thiocarbonyl] disulfide **1** (7.3×10^{-2} mol) in dry diethyl ether was added a solution of LiAlH_4 (2.78 g, 7.3×10^{-2} mol) in 10 mL of dry ether. The mixture was stirred for 6 h at 30 °C and the product was extracted with CHCl_3 dried over Na_2SO_4 and filtered. The solvent was removed under reduced pressure and the product was dried under high vacuum.

Yield: (70%).

$^1\text{H-NMR}$ (DMSO) δ (ppm): 2,16 (s, 6H, CH_3); 4,33 (s, 4H, CH_2); 5,86 (s, 2H CH).

$^{13}\text{C-NMR}$ (CDCl_3) δ (ppm): 193 ($-\text{C}=\text{S}$), 65 ($\text{CH}_2\text{-OH}$).

IR (KBr, cm^{-1}): 3300 ($-\text{S-S}-$); 1240 ($\text{C}=\text{S}$).

MS (m/z): 374 $[\text{M}]^+$.

U.V.: $\lambda_{\text{max}} = 290 \text{ nm}$ ($-\text{C}=\text{S}$).

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Sample Availability: Available from the authors and from MDPI.

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