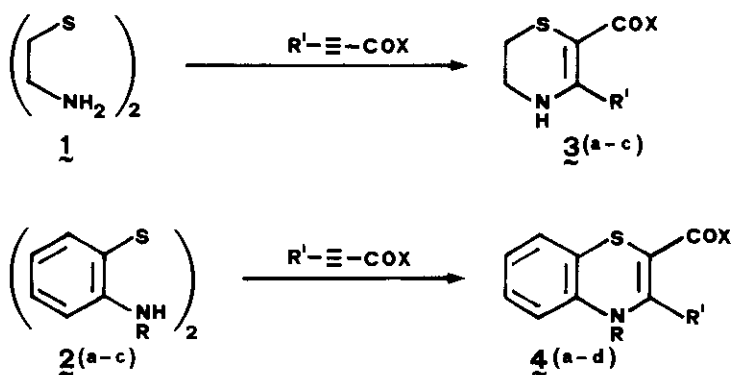


A NEW SYNTHESIS OF 4H-1,4-THIAZINES AND N-ALKYL-
4H-1,4-BENZOTHAZINES

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We have recently reported that the reaction of 2,2'-dithiodianiline with electron-deficient alkynes constitutes a new synthetic approach to N-unsubstituted 4H-1,4-benzothiazines (J.Chem.Soc., Perkin Trans.I, 1983, 567).

The results of further investigation carried out in order to study the scope and limitations of this process with respect to 2,2'-diaminodisulfides are now reported. The use of the aliphatic disulfide **1** and the N-alkylated disulfide **2** allows the synthesis of 4H-1,4-thiazines **3** and N-alkyl 4H-1,4-benzothiazines **4** respectively, in satisfactory to good yields.



	R	R'	X
(<u>3,4</u>)a	$\overline{\text{CH}(\text{CH}_2)_5}\text{CH}_2$	H	OC_2H_5
(<u>3,4</u>)b	$\overline{\text{CH}(\text{CH}_2)_3}\text{CH}_2$	COOCH_3	OCH_3
(<u>3,4</u>)c	$\overline{\text{CH}(\text{CH}_2)_5}\text{CH}_2$	C_6H_5	CH_3
(<u>4</u>)d	$\overline{\text{CH}(\text{CH}_2)_5}\text{CH}_2$	H	$(\text{CH}_2)_2\text{CH}_3$