https://dx.doi.org/10.21577/0103-5053.20230051
J. Braz. Chem. Soc., Vol. 34, No. 6, 894-895, 2023

Additions and Corrections

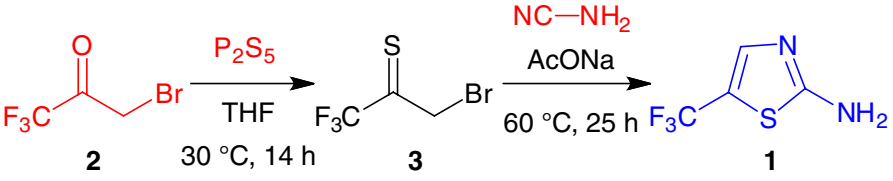
1st publication: on the short report "A One-Pot Domino Synthesis of 5-(Trifluoromethyl)-2-thiazolamine", by Xue-fei Bao, Xue-jun Qiao, Xiao Hou, Wu-hong Fang, Xue-long Liu and Guo-liang Chen, published in the *Journal of the Brazilian Chemical Society*, Vol. 27, No. 12, 2388-2391, 2016 (http://dx.doi.org/10.5935/0103-5053.20160132):

Title:
Where it reads 5-(Trifluoromethyl)-2-thiazolamine
Should be read 4-(trifluoromethyl)-2-thiazolamine

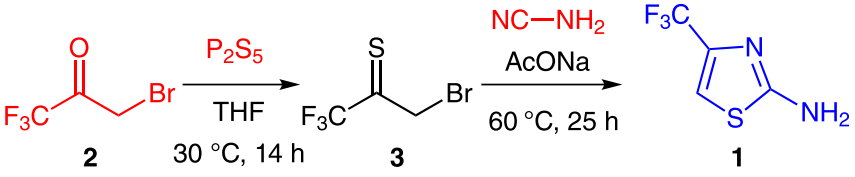
Abstract:
Where it reads 5-(Trifluoromethyl)-2-thiazolamine
Should be read 4-(trifluoromethyl)-2-thiazolamine

Keywords:
Where it reads 5-(trifluoromethyl)-2-thiazolamine
Should be read 4-(trifluoromethyl)-2-thiazolamine

Scheme 1:
Where it reads The synthesis of 5-(trifluoromethyl)-2-thiazolamine.



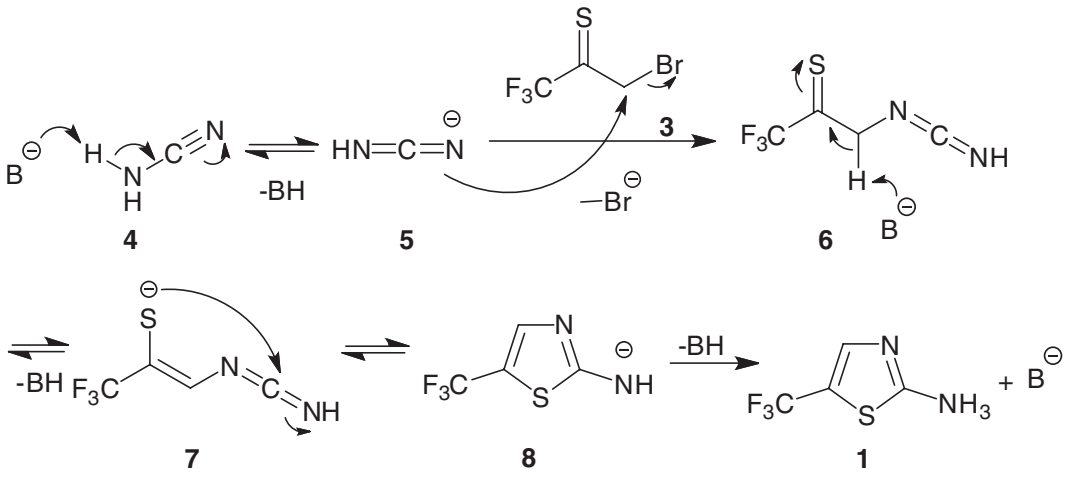
Should be read The synthesis of 4-(trifluoromethyl)-2-thiazolamine.



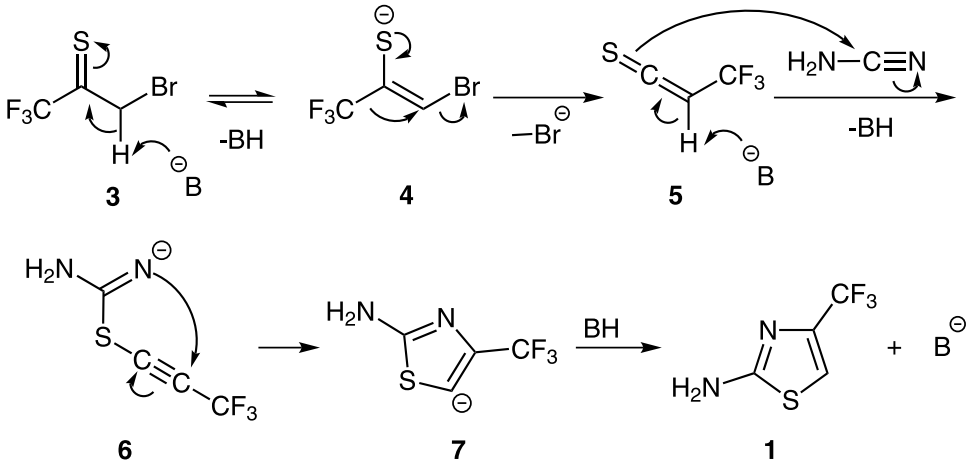
Page 2388, 2389:
Where it reads 5-(trifluoromethyl)-2-thiazolamine
Should be read 4-(trifluoromethyl)-2-thiazolamine

Tables 1 and 2:
Where it reads [a]Isolated yield of 5-(trifluoromethyl)-2-thiazolamine.
Should be read [a]Isolated yield of 4-(trifluoromethyl)-2-thiazolamine

Scheme 2:
Where it reads



Should be read



Page 2390:
Where it reads

A plausible mechanism for cyclization reaction is shown in Scheme 2. Cyanamide **4** deprotonates into its anion **5** via hydrogen abstraction reaction by the base. Successively, a nucleophilic substitution reaction with **3** gives carbodiimide intermediate **6**, which becomes prone to attack due to keto-enol tautomerism forming tautomer **7** and the attack takes place on the carbon of the carbodiimide producing anion **8**. Finally, compound **8** abstracts a hydrogen from conjugate acid to furnish the desired compound 5-(trifluoromethyl)- 2-thiazolamine (**1**) and regenerate the base.

Should be read

A plausible mechanism for cyclization reaction is shown in Scheme 2. 3-Bromo-1,1,1-trifluoropropane-2-thione **3** deprotonates and then offered the intermediate **5** via a process similar to Hoffmann rearrangement. Successively, intermediate **5** is added with cyanamide after deprotonation to form intermediate **6**. Then the intermediate **7** is obtained by intramolecular cyclization. Finally, **7** abstracts a hydrogen from conjugate acid to furnish the desired compound 4-(trifluoromethyl)-2-thiazolamine **1** and regenerate the base.

Conclusions:
Where it reads 5-(trifluoromethyl)-2-thiazolamine
Should be read 4-(trifluoromethyl)-2-thiazolamine