

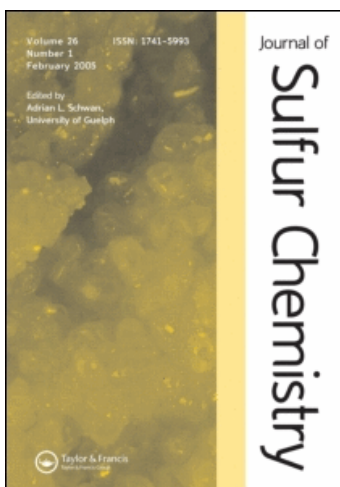
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### Interesting Errors in Sulfur Chemistry, 9

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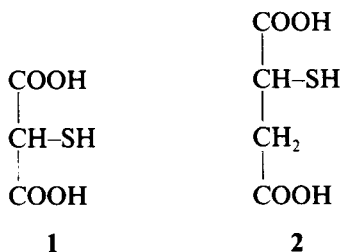
## INTERESTING ERRORS IN SULFUR CHEMISTRY, 9

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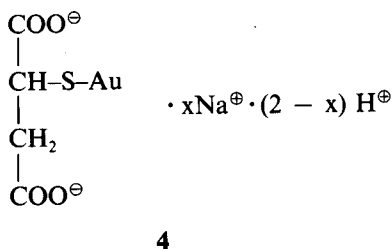
### MERCAPTOMALONIC ACID

Mercaptomalonic acid **1** [34834-38-2] appears several times in Chemical

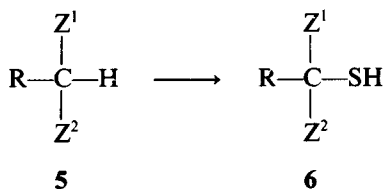


Abstracts as does its gold(I) sodium salt **3** [69433-87-0].

Actually, all cited documents refer to thiomalonic acid **2** [70-49-5] rather than to the so far unknown **1**, either due to faults of the authors in question or due to faulty abstracting. Likewise, the compound referred to as the so far unknown **3** is in fact the official gold(I) sodium thiomalate<sup>1</sup> **4** [12244-57-4].



However, *bona fide* thiolation of active methylene compounds **5** ( $R \neq H$ ) to **6** ( $R \neq H$ ) has been achieved.<sup>2,3</sup>



1. *Merck Index* (Tenth Edition, 1983), nr. 4391.
2. G. H. Hakimelahi and G. Just, *Tetrahedron Lett.*, **21**, 2119 (1980).
3. G. H. Hakimelahi and A. Ugolini, *Tetrahedron Lett.*, **23**, 913 (1982).