

# JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY (JAAS)

An International Journal on the Development and  
Application of Spectrometric Techniques

## ANNOUNCEMENT AND CALL FOR PAPERS

### AIMS AND SCOPE

*Journal of Analytical Atomic Spectrometry (JAAS)* is a new international journal, to begin publication in February 1986, which will contain original research papers, short papers, communications and letters concerned with the development and analytical application of atomic spectrometric techniques. *JAAS*, which will be published bimonthly, will also include comprehensive reviews on specific topics, general information and news of interest to analytical atomic spectroscopists, including information on forthcoming conferences and book reviews. Special issues of *JAAS* will be published, devoted to subjects highlighted by particular symposia. Also included will be the literature reviews which were previously published in *Annual Reports on Analytical Atomic Spectroscopy*.

*JAAS* will have a style and format similar to that of the well-established journal *The Analyst*. *JAAS* will provide an improved publication service to support the growing research effort in, and applications of, atomic spectrometric techniques.

Manuscripts intended for publication as papers or communications must describe original work related to atomic spectrometric analysis. Papers on all aspects of the subject will be accepted, including fundamental studies, novel instrument developments and practical analytical applications. As well as atomic absorption, atomic emission and atomic fluorescence spectrometry, papers will be welcomed on atomic mass spectrometry and X-ray fluorescence/emission spectrometry. Papers describing the measurement of molecular species where these relate to the characterisation of sources normally used for the production of atoms, or are concerned for example, with indirect methods of analyses, will also be acceptable for publication. Papers on the

development and applications of hybrid techniques involving atomic spectrometry (eg. GC coupled AAS, HPLC-ICP, etc.) will be particularly welcome. Manuscripts on other subjects of direct interest to atomic spectroscopists including sample preparation and dissolution and analyte preconcentration procedures, as well as the statistical interpretation and use of spectrometric data, will also be within the scope of the journal.

### EDITORIAL ADVISORY BOARD

A full international advisory board is being established under the chairmanship of Professor J.M. Ottaway.

### SUBMISSION OF PAPERS

Papers on all aspects of Analytical Atomic Spectrometry, as described above, are invited and should be sent to the Editor, Mrs Judith Brew, The Royal Society of Chemistry, Burlington House, London W1V 0BN.

### PUBLICATION DETAILS

Frequency: Six issues per annum (bimonthly)  
1st Issue: February 1986  
Subscription: Price to be announced July 1985.  
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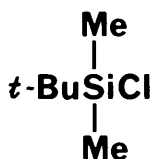


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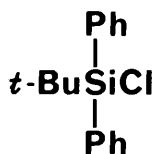
Reagent used for the protection<sup>1-4</sup> and analysis<sup>5</sup> of hydroxyl groups, and the preparation of acid chlorides under neutral conditions.<sup>6</sup>

- 1) Corey, E.J.; Venkateswarlu, A. *J. Am. Chem. Soc.* **1972**, *94*, 6190.
- 2) Lissel, M.; Weiffen, J. *Synth. Commun.* **1981**, *11*, 545.
- 3) Fishman, J. *et al. J. Org. Chem.* **1973**, *38*, 4209.
- 4) Ogilvie, K.K. *Can. J. Chem.* **1973**, *51*, 3799.
- 5) Kelly, R.W.; Taylor, P.L. *Anal. Chem.* **1976**, *48*, 465.
- 6) Wissner, A.; Grudzinskas, C.V. *J. Org. Chem.* **1978**, *43*, 3972.

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## *tert*-Butylchlorodiphenylsilane

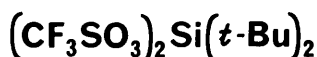


Selectively silylates primary hydroxyl groups.

Hanessian, S.; Lavallee, P. *Can. J. Chem.* **1975**, *63*, 2975.

19,553-7    10g \$18.40; 50g \$64.30

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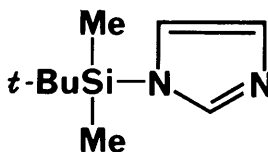


Highly efficient reagent for the protection of a variety of 1,2-, 1,3-, and 1,4-diols under mild conditions.

Corey, E.J.; Hopkins, P.B. *Tetrahedron Lett.* **1982**, *23*, 4871.

26,202-1    5g \$17.00; 25g \$56.00

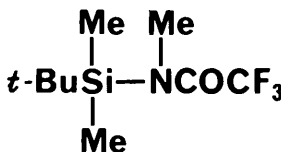
## 1-(*tert*-Butyldimethylsilyl)- imidazole



Highly reactive silylating agent.

25,023-6    250mg \$8.00; 1g \$25.00

## N-(*tert*-Butyldimethylsilyl)-N- methyltrifluoroacetamide

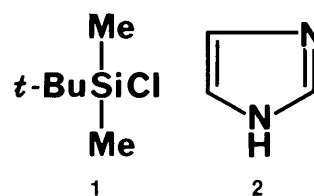


Excellent silylating agent which is relatively insensitive to moisture; substrates need not be absolutely dry.

Mawhinney, T.; Madison, M.A. *J. Org. Chem.* **1982**, *47*, 3336.

24,205-5    1g \$10.85; 5g \$36.30

## BDCS Silylation Reagent



1

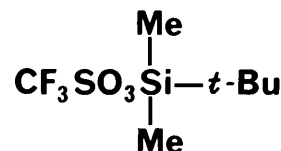
2

The convenient DMF solution of *tert*-butyldimethylsilyl chloride, 1 (0.5M), and imidazole, 2 (1.0M), is a useful reagent for the protection of hydroxyl groups.

Corey, E.J.; Venkateswarlu, A. *J. Am. Chem. Soc.* **1972**, *94*, 6190.

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Reagent for the protection of tertiary and unreactive secondary alcohols.<sup>1</sup> Also used to prepare silyl enol ethers from sterically hindered ketones in high yields.<sup>2</sup>

1) Corey, E.J. *et al. Tetrahedron Lett.* **1981**, *22*, 3455.

2) Mander, L.N.; Sethi, S.P. *ibid.* **1984**, *25*, 5953.

22,614-9    5g \$24.75



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