

**Xuechao Xing, Alfio Fichera, and Krishna Kumar\***. A Simple and Efficient Method for the Resolution of All Four Diastereomers of 4,4,4-Trifluorovaline and 5,5,5-Trifluoro-leucine.

Pages 1722–1725. X-ray single crystal diffraction data have unambiguously established that the compound designated **4a** is (2*S*,3*S*)-4,4,4-trifluorovaline (TFV) and **4b** is (2*S*,3*R*)-4,4,4-TFV. Accordingly, the correct stereochemical assignments of compounds leading to, and derived from, trifluorovaline (**4**) are given below.

compd	original assignment	corrected assignment
<b>2a</b>	(2 <i>S</i> ,3 <i>R</i> )-(2 <i>R</i> ,3 <i>S</i> )- <i>N</i> -Boc-4,4,4-trifluorovalinol	(2 <i>S</i> ,3 <i>S</i> )-, (2 <i>R</i> ,3 <i>R</i> )-
<b>2b</b>	(2 <i>S</i> ,3 <i>S</i> )-(2 <i>R</i> ,3 <i>R</i> )- <i>N</i> -Boc-4,4,4-trifluorovalinol	(2 <i>S</i> ,3 <i>R</i> )-, (2 <i>R</i> ,3 <i>S</i> )-
<b>3a</b>	(2 <i>S</i> ,3 <i>R</i> )-(2 <i>R</i> ,3 <i>S</i> )- <i>N</i> -Ac-4,4,4-trifluorovaline	(2 <i>S</i> ,3 <i>S</i> )-, (2 <i>R</i> ,3 <i>R</i> )-
<b>3b</b>	(2 <i>S</i> ,3 <i>S</i> )-(2 <i>R</i> ,3 <i>R</i> )- <i>N</i> -Ac-4,4,4-trifluorovaline	(2 <i>S</i> ,3 <i>R</i> )-, (2 <i>R</i> ,3 <i>S</i> )-
<b>4a</b>	(2 <i>S</i> ,3 <i>R</i> )-4,4,4-trifluorovaline	(2 <i>S</i> ,3 <i>S</i> )-
<b>4b</b>	(2 <i>S</i> ,3 <i>S</i> )-4,4,4-trifluorovaline	(2 <i>S</i> ,3 <i>R</i> )-
<b>4c</b>	(2 <i>R</i> ,3 <i>S</i> )-4,4,4-trifluorovaline	(2 <i>R</i> ,3 <i>R</i> )-
<b>4d</b>	(2 <i>R</i> ,3 <i>R</i> )-4,4,4-trifluorovaline	(2 <i>R</i> ,3 <i>S</i> )-
	Boc-TFV-(2 <i>S</i> ,3 <i>S</i> )-Ser( <i>O</i> - <i>t</i> -Bu)-OMe (2 <i>S</i> )	Boc-TFV-(2 <i>S</i> ,3 <i>R</i> )-
	Boc-TFV-(2 <i>S</i> ,3 <i>R</i> )-Ser( <i>O</i> - <i>t</i> -Bu)-OMe (2 <i>S</i> )	Boc-TFV-(2 <i>S</i> ,3 <i>S</i> )-
	Boc-TFV-(2 <i>R</i> ,3 <i>S</i> )-Ser( <i>O</i> - <i>t</i> -Bu)-OMe (2 <i>S</i> )	Boc-TFV-(2 <i>R</i> ,3 <i>R</i> )-
	Boc-TFV-(2 <i>R</i> ,3 <i>R</i> )-Ser( <i>O</i> - <i>t</i> -Bu)-OMe (2 <i>S</i> )	Boc-TFV-(2 <i>R</i> ,3 <i>S</i> )-

Page 1723, Scheme 2. The following compound numbers should be interchanged: **2a** ↔ **2b**, **3a** ↔ **3b**, **4a** ↔ **4b**, and **4c** ↔ **4d**.

The error in our assignment stems from inconsistent use of the threo and erythro labels for 4,4,4-trifluorovaline in earlier studies (*J. Org. Chem.* **1970**, *35*, 1438–1440 and ref 1f: *J. Org. Chem.* **1989**, *54*, 4511–4522).

JO027968T

10.1021/jo027968t

Published on Web 10/22/2002