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Additions and Corrections

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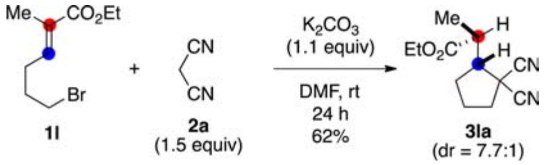
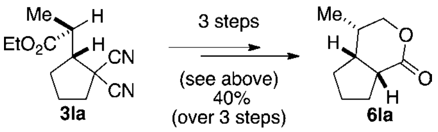
Formal [4 + 1]- and [5 + 1]-Annulation by an S_N2–Conjugate Addition Sequence: Stereoselective Synthesis of Highly Substituted Carbocyles

Page 2828. The structure of the major diastereomer of cyclopentane **3la** obtained in the original Scheme 2, part b, was incorrectly assigned. The corrected structure is the (*S**,*R**)-**3la** as shown in the corrected Scheme 2, part b, below. We regret the misassigment of the stereochemistry. Page 2829, Scheme 3. Based on this correction of the structure of **3la**, the equation for the conversion of **3la** must be changed to the following in Scheme 3.

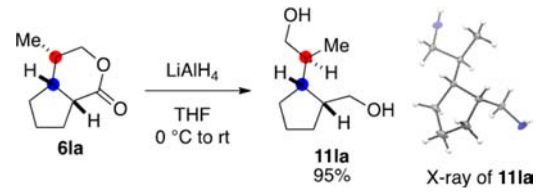
Scheme 2. Part b



Scheme 3



The structure of **3la** was confirmed by the X-ray crystallographic analysis of the diol **11la** (CCDC 971676), which was synthesized via $LiAlH_4$ reduction of lactone **6la** derived from **3la** into the corresponding diol **11la** as shown the following reaction scheme (see the Supporting Information for more details).



Therefore, the following corrections should be added to the manuscript and the Supporting Information.

Page 2828, right column. Replace “where the (*R**,*R**)-isomer was formed as a major product probably via a concerted process of the C−C bond formation and protonation” with “where the (*S**,*R**)-isomer was formed as a major product probably via a stepwise process of the C−C bond formation and protonation.”

Page 2828, ref 18. The sentence must be revised to: “The stereochemistry of **3la** was determined by the X-ray crystallographic analysis of the corresponding diol **11la** derived from **3la** (see the Supporting Information).”

Page 2829, left column. Replace “The conversion of **3la** to lactone **6la** could lead to the confirmation of the stereochemical outcome by the NOE measurement.” with “The conversion of **3la** afforded lactone **6la** in 40% yield (via three steps).”

In the Supporting Information:

Pages S15−16. The compound name of **3la** was revised to (*S**)-ethyl 2-((*R**)-2,2-dicyanocyclopentyl)propanoate. The structure of **3la** was revised. During this correction, we found that the calculated molecular fomula of **3la** for HRMS was wrong. It was corrected from “Calcd for $C_{12}H_{17}N_2O_4$” to “Calcd for $C_{12}H_{17}N_2O_2$.”

Page S17. “**A proposed transition state for the formation of 3la**” should be deleted. Further studies to elucidate the reaction mechanism is in progress and will be reported in due course.

Page S17. The compound structures of **3la**−**6la** in the synthetic scheme were revised.

Pages S17−18. The compound names of **3la**−**6la** in “**Typical procedure for synthesis of 6la**” were revised as follows: **3la**, (*S**)-ethyl 2-((*R**)-2,2-dicyanocyclopentyl)propanoate; **4la**, (2*S**)-ethyl 2-((1*S**)-2-cyanocyclopentyl)propanoate; **5la**, (2*S**)-2-((*S**)-1-hydroxypropan-2-yl)cyclopentane carbonitrile; **6la**, (4*S**,4a*R**,7a*R**)-4-methylhexahydrocyclopenta-[*c*]pyran-1(3*H*)-one.

Page S18. The compound name and structure of **6la** were revised. The NOE correlation should be removed.

The procedure of the reduction of lactone **6la** to **11la** was added (see corrected p S18). Spectra and CIF file for **11la** were also added.

Supporting Information Available. Corrected pages S15−18, characterization of diol **11la**, and CIF file for **11la**. This material is available free of charge via the Internet at http://pubs.acs.org

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