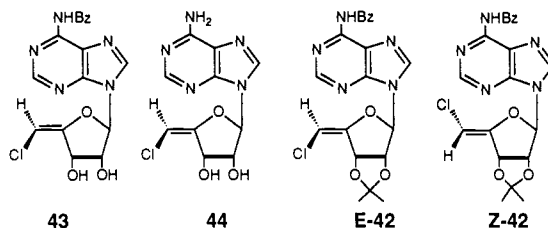


Additions and Corrections

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Esa T. Jarvi, James R. McCarthy,* Shujaath Mehdi, Donald P. Matthews, Michael L. Edwards, Nellikunja J. Prakash,* Terry L. Bowlin, Prasad S. Sunkara, and Philippe Bey: 4',5'-Unsaturated 5'-Halogenated Nucleosides. Mechanism-Based and Competitive Inhibitors of *S*-Adenosyl-L-homocysteine Hydrolase.

Page 651. Structures **43** and **44** were misassigned as the *Z*-geometric isomers. The correct structures of **43** (described in the supplementary material) and **44** (characterized in the Experimental Section) are shown below, and are the *E*-geometric isomers.



In addition, the experimental procedure for **42** describes a 5:1 mixture of *Z*:*E*-stereoisomers, when in fact it is a 5:1 mixture of *E*-**42** to *Z*-**42**.

We thank Professor Morris J. Robins for bringing this misassignment to our attention. As suggested by him, we heated sulfoxide **41** under conditions similar to our previous procedure but at 130–140 °C for 2 h instead of 4 h at reflux. We obtained a sample of a 2:1 mixture of *Z*-**42** to *E*-**42** separated from unreacted starting material. NMR experiments on this sample revealed that we had misassigned the vinyl proton (at δ 5.83 for *E*-**42**) and the H-1' proton (at δ 6.35 for *E*-**42**). The NOE experiments on the 2:1 mixture of *Z*:*E*-isomers were complicated by the proximity of the 3' and vinyl protons, but under careful conditions, irradiation of the vinyl proton of *Z*-**42** (δ 5.59, s) produced a 3.2% NOE at H-3' (δ 5.72, d). No such NOE was obtained with *E*-**42** in the same NMR sample. The NMR experiments were all carried out in CDCl₃.

Authentic *Z*-isomer of final nucleoside **44** has now been isolated by both Robins and by us. Details will be published elsewhere.

Page 652. Footnote 43 should read as follows: Prakash, N. J.; Davis, G. F.; Jarvi, E. T.; Edwards, M. L.; McCarthy, J. R.; Bowlin, T. L. *Life Sci.* 1992, 50, 1425. The incorrect structure of the vinyl chloride nucleoside appears there as well. The compound listed as ZDDCA there is in fact the structure **44** (*E*-isomer).