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Corrigendum

Corrigendum to "An unexpected access to 5-*epi*-cyclophellitol, a new cyclitol member" [Tetrahedron: Asymmetry 18/16 (2007) 1971]

Pedro Serrano [a,b], Meritxell Egido-Gabás [a], Amadeu Llebaria [a], Antonio Delgado [a,b,*]

[a] *Research Unit on Bioactive Molecules (RUBAM), Department of Biological Organic Chemistry, Chemical and Environmental Research Institute of Barcelona (IIQAB-C.S.I.C), Jordi Girona 18-26, 08034 Barcelona, Spain*

[b] *University of Barcelona, Faculty of Pharmacy, Unit of Pharmaceutical Chemistry (CSIC Associated Unit), Avda. Joan XXIII, s/n, 08028 Barcelona, Spain*

The authors regret that some errors occurred in the previously published version of this paper. The corrections can be found below.

Epoxide **1c** is described, both in the text and in Scheme, by debenzylation of epoxide **4** with BCl_3. However, this transformation was carried out by hydrogenolysis of **4** in the presence of Pd/C. A corrected Scheme 1, together with the experimental protocol leading to **1c** is reported next:

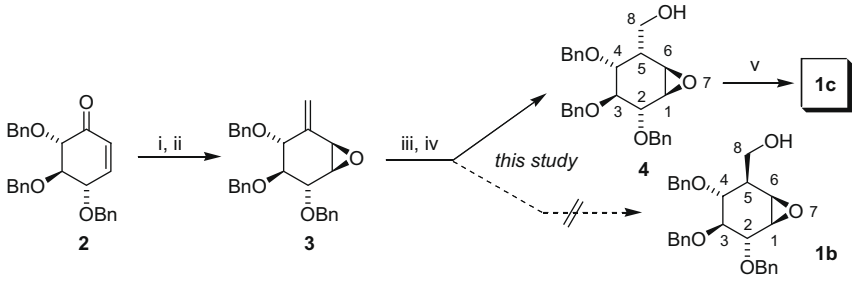
5-epi-Cyclophellitol; (1S,2R,3S,4R,5S,6R)-5-hydroxymethyl-7-oxabicyclo[4.1.0] heptane-2,3,4-triol (**1c**): A solution of **4** (22.5 mg, 0.05 mmol) in MeOH (1.5 mL) was treated with 5% Pd/C (Degussa, E101R/D, 10% by weight) at atmospheric pressure and rt for 72 h. The reaction mixture was next filtered through a pad of Celite with MeOH as eluent (2 × 3 mL) and the combined filtrates were evaporated to dryness to afford 5-*epi*-cyclophellitol (**1c**) (8.5 mg, 98% yield).

^{1}H NMR (500 MHz, D_2O): 2.50 (m, 1H), 3.10 (m, 1H), 3.35–3.45 (m, 2H), 3.50 (dd, 1H), 3.65 (m, 2H), 3.80 (dd, 1H).

^{13}C NMR (125 MHz, D_2O): 39.5, 55.2, 55.9, 56.8, 65.7, 69.9, 71.4.

$[\alpha]_D$ = +65.9 (*c* 0.4, H_2O).

HRMS: *m/z* calcd for $C_7H_{12}O_5Na$ (M+23): 199.0582, found: 199.0581.



Scheme 1. Reagents and conditions: (i) *t*-BuOOH, Triton B, CH_2Cl_2; (ii) $Ph_3P{=}CHBr$, BuLi, THF; (iii) 1M $BH_3{\cdot}THF$, THF; (iv): 30% H_2O_2, 2 N NaOH, THF/H_2O (1:1) (72%); (v) H_2, 5% Pd/C (10% w/w).

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* Corresponding author. Fax: +34 932045904.
E-mail address: adcqob@cid.csic.es (A. Delgado).

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