



CORRECTION

Author Correction: Tetrahydroberberrubine retards heart aging in mice by promoting PHB2-mediated mitophagy

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The authors would like to apologize for the errors in the previously published images of Fig. 2a. The HE staining in control group presented incorrect accidentally. The inaccuracy was due to an oversight during the preparation of the figures. The authors have carefully checked the raw data and corrected the accidentally confused image. The legend for Fig.1d contains an error regarding the number

of mice. It should be changed into “E peak velocity was quantified. $n = 7-9$.” There is a minor error in the chemical formula of the third compound in Table 1. It should be changed into “ $C_{20}H_{21}NO_4$.”

The corrected versions of the affected figures are now presented. It is important to note that these corrections do not alter the findings or conclusions of the paper. The overall interpretation and impact of the study remain unchanged. The authors sincerely apologize for any inconvenience caused to the journal and its readers.

The original article has been corrected.

Revised fig. 2

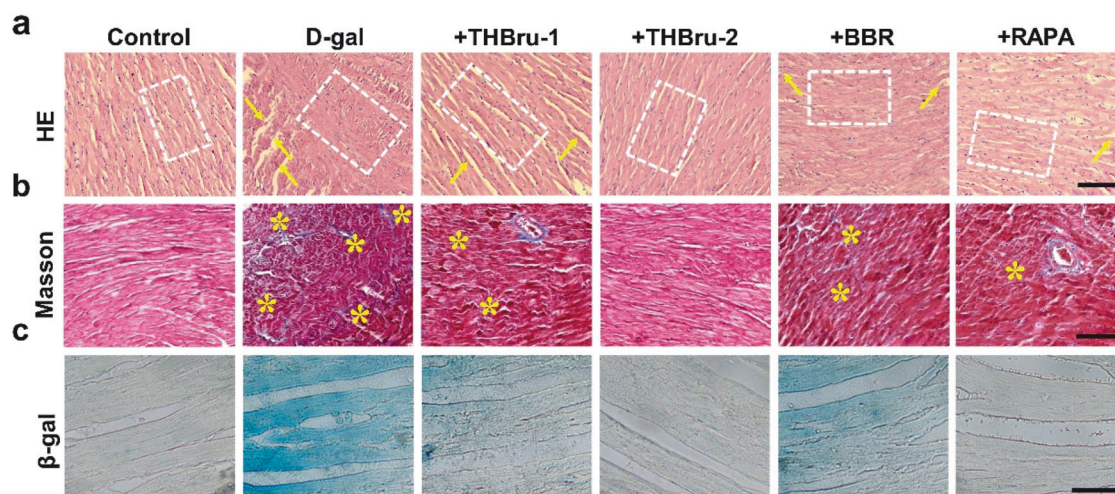


Fig. 2 THBru attenuates cardiac remodeling and delays heart aging in aging mice. **a** Heart tissue specimens were stained with hematoxylin and eosin (HE) (×400). The arrangement of myocardial fibers is marked by a white dotted box, and the rupture of myocardial fibers is indicated by yellow arrows. $n = 5$. Scale bar: 100 μ m. **b** Heart tissue specimens were stained with Masson trichrome dye (×400). The deposition of collagen fibers is indicated by yellow asterisks. $n = 5$. Scale bar: 100 μ m. **c** β -gal staining (×200) indicated that THBru delays heart aging. Scale bar: 200 μ m.

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Table 1. Characterization of in vivo metabolites of Tetrahydroberberrubine **1-3** by HPLC/ESI-IT-TOF-MS.

No.	RT (min)	Formula	HR-MS [M+H] ⁺			(+)ESI-MS ⁿ (m/z)	Metabolites reaction	Plasma	Urine	Feces
			Measured	Predicted	Δ (ppm)					
1 [*]	6.99	C ₁₉ H ₁₉ NO ₄	326.1394	326.1387	2.15	MS ² [326]: 80	none	++	++	++
2	5.50	C ₂₀ H ₁₈ NO ₄	337.1340	337.1309	9.19	MS ² [337]: 312, 80	+CH ₃ -4H	—	—	++
3	32.12	C₂₀H₂₁NO₄	338.1328	338.1387	9.20	MS ² [338]: 321, 312	+CH ₃	++	++	+

*Identified by comparing with reference standards;
 ++, detected at high abundance; +, detected; —, not detected.
^aConfirmed by enzyme hydrolysis.
 The original article has been corrected.