

CORRECTION

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Correction: Synthetic approaches for multiblock copolymers

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Correction for 'Synthetic approaches for multiblock copolymers' by Valentin P. Beyer *et al.*, *Polym. Chem.*, 2020, **11**, 1271–1291.

After publication, the authors were made aware of some errors in Tables 1 and 2 in the original article. The corrected Tables and references are shown below.

Table 1 Summary of multiblock copolymers (MBCs) prepared by anionic or cationic polymerisation techniques^a

Monomers	Block number	Block structure	Solvent	T (°C)	PDI	Ref. in original article	Ref. in this Correction
S, I, CHD, B	4	ABCD	THF	-78	1.32	41	1
S, I, 2VP, <i>t</i> -BuMA, EO	5	ABCBA	THF	-78	≤1.5	42	2
C, E, P	12	(ABABA) ₂ C	Cyclohexane	40	1.09	43	3
I, 4MS	10	(AB) ₅	Cyclohexane	30	≤1.25	65	4
I, S	10	(AB) ₅	THF	-78	1.06	45	5
EO, S, B	4	ABCBA	Cyclohexane	40	1.21	46	6
S, I, DMS, 2VP	4	ABCD	Benzene	40	≤1.07	47	7
dcPA, <i>n</i> BA, EHA, EA, MA, <i>c</i> HA	6	ABCDEF	Tol	25	1.05	48	8
THFMA, DEAEMA, EtMA, MEGMA, DMAEMA	15	(ABCDE) ₃	THF	25	≤1.3	49	9
MeOx, EtOx, PhOx, NonOx	4	ABCD	MeCN	140	1.33	50, 51	10, 11
EO, TsMAz	5	ABABA	THF/DMSO	60	≤1.30	52	12

^a Monomers were abbreviated as follows: cyclohexadiene (CHD), styrene (S), isoprene (I), butadiene (B), 2-vinylpyridine (2VP), *tert*-butyl methacrylate (*t*-BuMA), ethylene oxide (EO), ethylene (E), cyclohexylethylene (C), ethylene-*alt*-propylene (P), 4-methyl styrene (4MS), dimethyl siloxane (DMS), dicyclopentanyl acrylate (dcPA), *n*-butyl acrylate (*n*BA), 2-ethylhexyl acrylate (EHA), ethyl acrylate (EA), methyl acrylate (MA), cyclohexyl acrylate (*c*HA), ethyl methacrylate (EtMA), (dimethylamino)ethyl methacrylate (DMAEMA), 2-(diethylamino)ethyl methacrylate (DEAEMA), tetrahydrofurfuryl methacrylate (THFMA), ethylene glycol methyl ether methacrylate (MEGMA), 2-methyl-2-oxazoline (MeOx), 2-ethyl-2-oxazoline (EtOx), 2-phenyl-2-oxazoline (PhOx), 2-nonyl-2-oxazoline (NonOx), 2-methyl-*N*-tosylaziridine (TsMAz).

Table 2 Examples of MBCs prepared by ROMP^a

Monomers	Block number	Block structure	Block DP	Solvent	Time/block (h)	T (°C)	Ref. in original article	Ref. in this Correction
N	4	ABCD	50:5:10:5	Tol	0.5	RT	89	13
Nb	5	ABABA	44:35:44:35:44	DCM	1	RT	90	14
Nb	4	ABAB	15:10:10:10	CHCl ₃	2:19:4:24	RT	91	15
Nb	4	ABCD	50:25:25:25	Tol	1:1:1:1.5	RT	92	16
Co, MO	4	ABAB	50:5:10:5	Tol	0.5	RT	—	17

^a Monomers were abbreviated as follows: norbornenediol (N), norbornene (Nb), cyclooctene (Co), macrocyclic olefin (MO). Other abbreviations: dichloromethane (DCM), toluene (Tol), degree of polymerisation (DP).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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References

- 1 T. Tsoukatos, A. Avgeropoulos, N. Hadjichristidis, K. Hong and J. W. Mays, *Macromolecules*, 2002, **35**, 7928–7935.
- 2 N. Ekizoglou and N. Hadjichristidis, *J. Polym. Sci., Part A: Polym. Chem.*, 2002, **40**, 2166–2170.
- 3 G. Fleury and F. S. Bates, *Macromolecules*, 2009, **42**, 3598–3610.
- 4 E. Grune, M. Appold, A. H. E. Müller, M. Gallei and H. Frey, *ACS Macro Lett.*, 2018, **7**, 807–810.
- 5 M. Steube, T. Johann, E. Galanos, M. Appold, C. Rüttiger, M. Mezger, M. Gallei, A. H. E. Müller, G. Floudas and H. Frey, *Macromolecules*, 2018, **51**, 10246–10258.
- 6 A. Touris, S. Lee, M. A. Hillmyer and F. S. Bates, *ACS Macro Lett.*, 2012, **1**, 768–771.
- 7 P. G. Fragouli, H. Iatrou and N. Hadjichristidis, *J. Polym. Sci., Part A: Polym. Chem.*, 2004, **42**, 514–519.
- 8 K. Takada, T. Ito, K. Kitano, S. Tsuchida, Y. Takagi, Y. Chen, T. Satoh and T. Kakuchi, *Macromolecules*, 2015, **48**, 511–519.
- 9 D. R. Carroll, A. P. Constantinou, N. Stingelin and T. K. Georgiou, *Polym. Chem.*, 2018, **9**, 3450–3454.
- 10 C. A. Fustin, H. Huang, R. Hoogenboom, F. Wiesbrock, A. M. Jonas, U. S. Schubert and J. F. Gohy, *Soft Matter*, 2007, **3**, 79–82.
- 11 R. Hoogenboom, F. Wiesbrock, M. A. M. Leenen, H. M. L. Thijs, H. Huang, C. A. Fustin, P. Guillet, J. F. Gohy and U. S. Schubert, *Macromolecules*, 2007, **40**, 2837–2843.
- 12 T. Gleede, E. Rieger, J. Blankenburg, K. Klein and F. R. Wurm, *J. Am. Chem. Soc.*, 2018, **140**, 13407–13412.
- 13 D. M. Watkins and M. A. Fox, *Macromolecules*, 1995, **28**, 4939–4950.
- 14 M. A. Rahman, H. N. Lokupitiya, M. S. Ganewatta, L. Yuan, M. Stefik and C. Tang, *Macromolecules*, 2017, **50**, 2069–2077.
- 15 Y. Miyamoto, M. Fujiki and K. Nomura, *J. Polym. Sci., Part A: Polym. Chem.*, 2004, **42**, 4248–4265.
- 16 K. Nomura and R. R. Schrock, *Macromolecules*, 1996, **29**, 540–545.
- 17 M. Xie, W. Wang, L. Ding, J. Liu, D. Yang, L. Wei and Y. Zhang, *J. Polym. Sci., Part A: Polym. Chem.*, 2010, **48**, 380–388.

