Supplementary Information

Enhancement performance of application mussel-biomimetic adhesive primer for dentin adhesives

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S.1. ^{1}H NMR characterization of DMA monomer

^{1}H NMR (500MHz, DMSO-D_6): = 8.74 (s, 1H, HO-phenyl), 8.63 (s, 1H, HO-phenyl), 7.93 (t, 1H, -NHCO-), 6.64 (d, 1H, $C_6H_2H(OH)_2$-), 6.58 (d, 1H, $C_6H_2H(OH)_2$-), 6.43 (dd, 1H, $C_6H_2H(OH)_2$-), 5.62 (s, 1H, -C(=O)-C(-CH_3)=CHH), 5.30 (s, 1H, -C(=O)-C(-CH_3)=CHH), 3.24 (m, 2H, $C_6H_3(OH)_2$-CH_2-CH_2(NH)-C(=O)-), 2.56 (t, 2H, $C_6H_3(OH)_2$-CH_2-CH_2(NH)-C(=O)-), 1.84 (s, 3H, -C(=O)-C(-CH_3)=CH_2).

Table S1. Characterized group of FTIR spectra of DMA monomer.

Characterized group	wavenumber
phenolic hydroxyl (Ph-OH)	3367 cm^{-1}, 1190 cm^{-1}, 1207 cm^{-1}, 1360 cm^{-1}
N-H stretching vibration	3201cm^{-1}, 1554 cm^{-1}
C = O stretching vibration	1650 cm^{-1}
C=C resonance vibration in aromatic ring	1593 cm^{-1}, 1464 cm^{-1}
methacrylate C=C double bonds	1631cm^{-1}