Electronic Supplementary Information

Radiolytic activation of cytarabine prodrug possessing 2-oxoalkyl group: one-electron reduction and cytotoxicity characteristics

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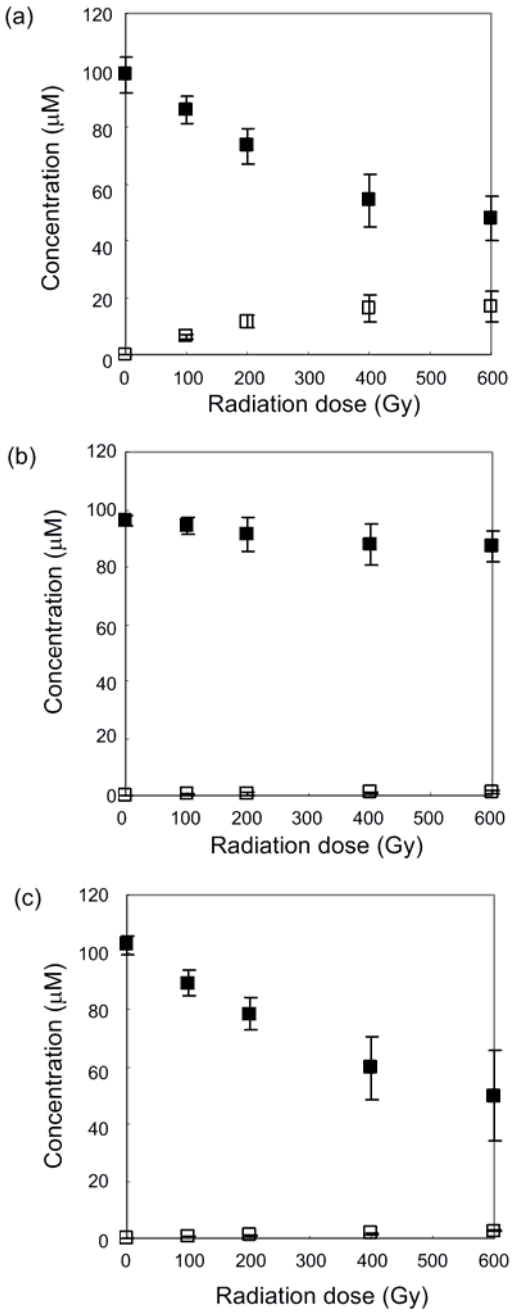

Fig. S1. Radiolytic reduction of 100 μM **oxo-ara-C** (closed square) to release **ara-C** (open square) in hypoxic (a), aerobic (b) and N_2O-saturated (c) aqueous solutions containing 2-metyl-2-propanol (10 mM)

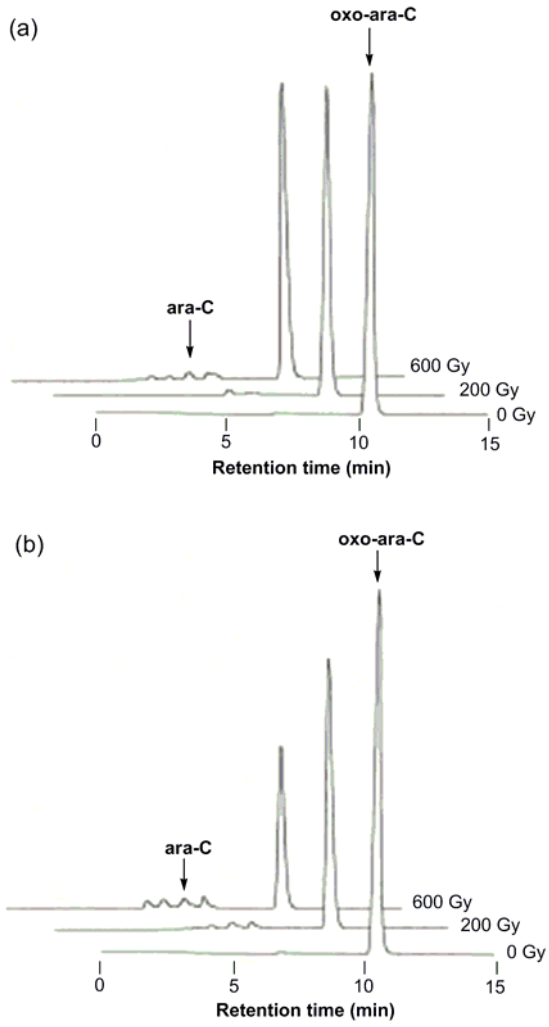

Fig. S2. HPLC profiles for the X-radiolysis (0, 200, and 600 Gy) of **oxo-ara-C** (100 μM) in aerobic (a) and N_2O-saturated (b) aqueous solutions containing 2-methyl-2-propanol (10 mM)