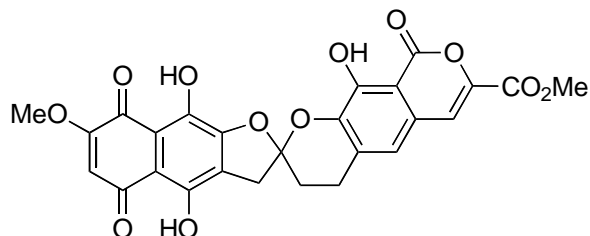


$\gamma$ -Rubromycin (TKGP-121222)

Y. Kita, S. Akai<sup>1), 2)</sup>

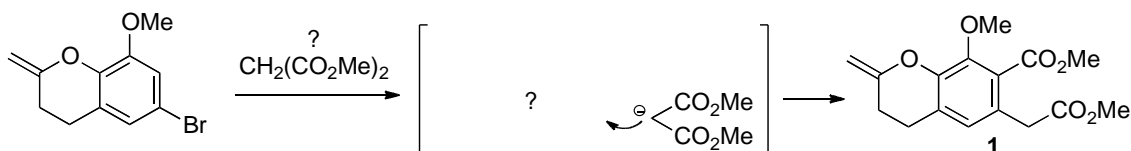
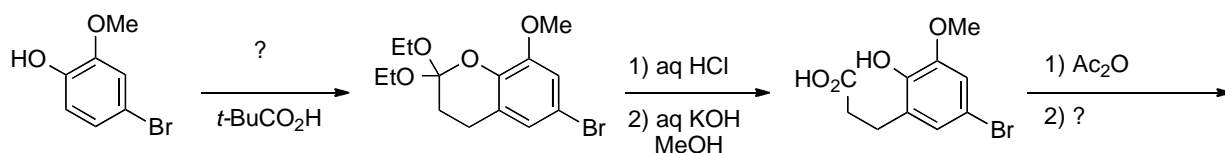


Activity

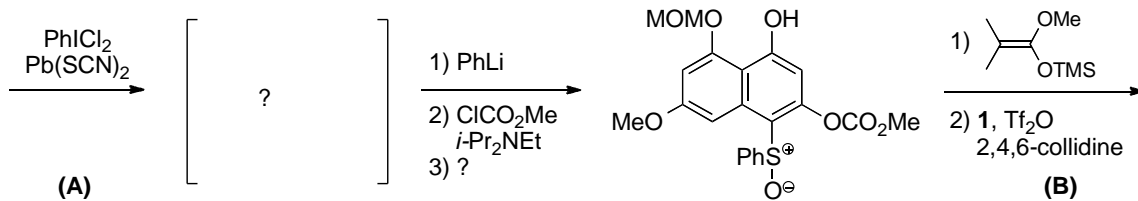
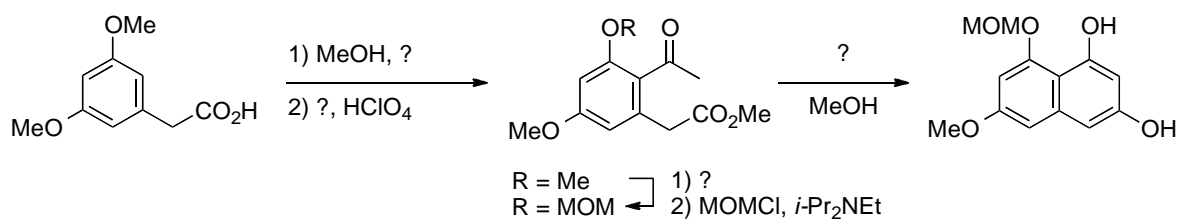
Telomerase inhibitor (テロメラーゼ阻害剤)

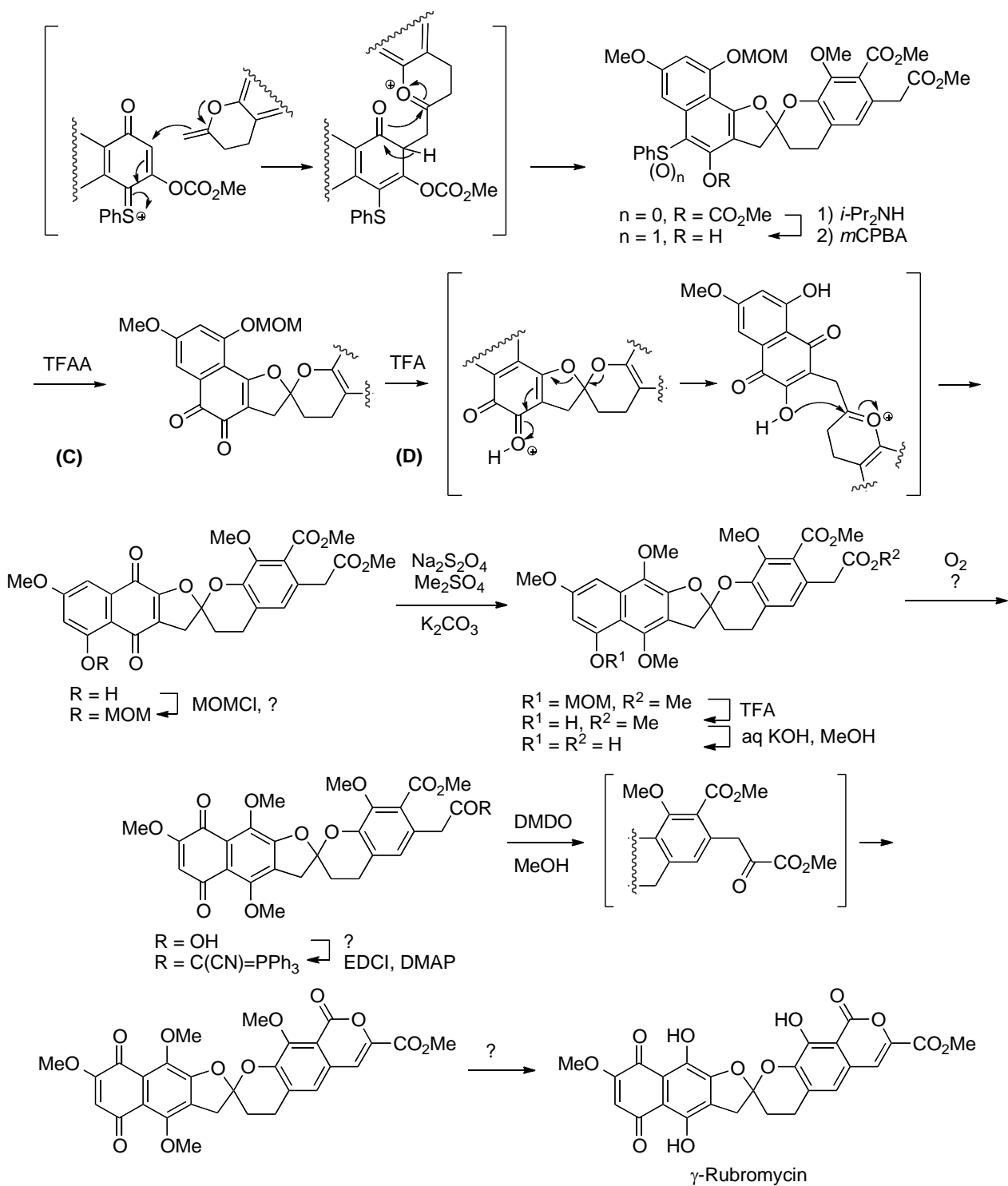
Key Reactions

(A) thiocyanation, (B) carbon-carbon bond formation initiated by aromatic Pummerer-type reaction, (C) *o*-quinone formation initiated by aromatic Pummerer-type reaction, (D) rearrangement of *o*-quinone to *p*-quinone



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#### References:

- 1) S. Akai, K. Kakiguchi, Y. Nakamura, I. Kuriwaki, T. Dohi, S. Harada, O. Kubo, N. Morita, Y. Kita, *Angew. Chem. Int. Ed.*, **46**, 7458 (2007)
- 2) S. Akai, Y. Kita, *Top. Curr. Chem.*, **274**, 35 (2007)