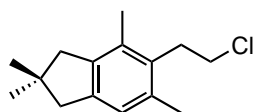
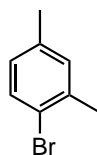


Provide two short-step syntheses of alcyopterin A using (1) compound **A** or (2) compound **B** as a starting material.

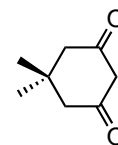


alcyopterin A

compound **A**

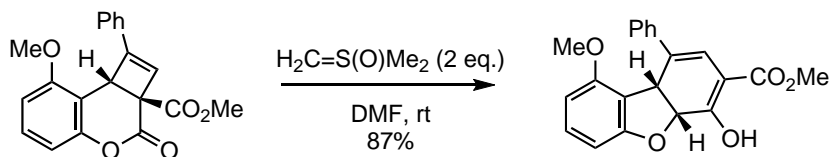
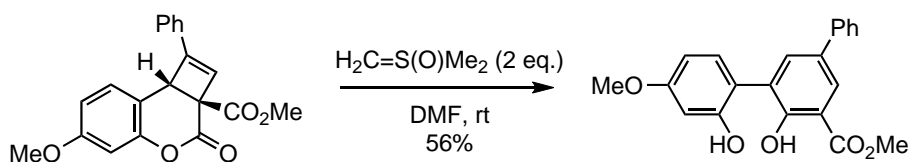
(cf. 8 steps)

G. Y. M. Iglesias *et al.*
Bioorg. Med Chem.
2006, *14*, 1863.

compound **B**

(cf. 6 steps)

G. B. Dudley *et al.*
Org. Lett. **2016**, *18*, 3470.



T. Tanaka, M. Nagahama, N. D. Yadav, H. Iwasaki, M. Ozeki, N. Kojima, M. Yamashita* *Heterocycles* **2016**, *Prepress*
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