Synthesis of Brevianamides A and B

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Nat. Chem. 2020, 12, 615–619

1) Phthalic anhydride, NEt$_3$
2) t-BuOCl, NEt$_3$, then B
3) LiCl, DMF, 160 °C
4) (COCl)$_2$, DMF, then C
5) NH$_3$/MeOH
6) m-CPBA (1 equiv.)

1) Name of A? How would you prepare it?
2) Propose a mechanism
4) How would you prepare C?

7) LiOH

7) Propose a Mechanism, name the individual steps