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An efficient method for the synthesis of *gem*-difluoroolefins

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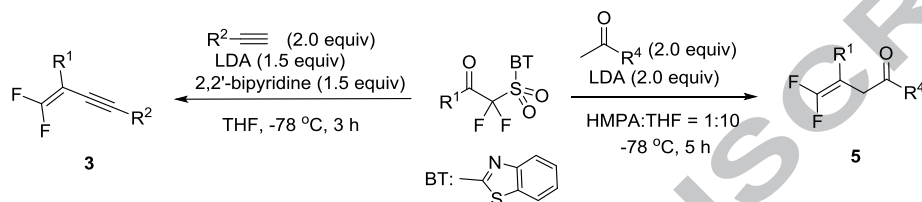
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An efficient method for the synthesis of *gem*-difluoroolefins

Chun-Ru Cao, Song Ou, Min Jiang and Jin-Tao Liu*

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A series of *gem*-difluoroolefin derivatives were synthesized in moderate to good yields by the reaction of α,α -difluoro- β -carbonyl benzothiazol-2-yl sulfones (DFBTs) with various carbon nucleophiles. Using *dl*-proline as organocatalyst, the reaction of DFBT with acetone gave a tertiary alcohol, which could be further converted to the corresponding difluoroolefin by LDA.

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