

Tetrazine-TCO ligation



Procedure:

0.01 mmol (9 mg) of A is dissolved in 0.5 ml DMF and mixed drop-wise with a 0.01 molar solution of tetrazine B. After every addition, the red color of tetrazine disappears immediately and tetrazine is added until the red color just disappears. The DMF is evaporated in the high vacuum. The mass of the residue shows the molecular peak of C, along with a small amount of the unreacted A.

Reference:

1. Wiessler, Manfred et al., Eur. Pat. Appl., 1867638, 19 Dec 2007
1. Denk, Christoph et al., *Bioconjugate Chemistry*, 27(7), 1707-1712; 2016;
2. Denk, Christoph et al., *Angewandte Chemie, International Edition*, 53(36), 9655-9659; 2014;
3. Braun, Klaus et al., *International Journal of Medical Sciences*, 7(6), 326-339; 2010.