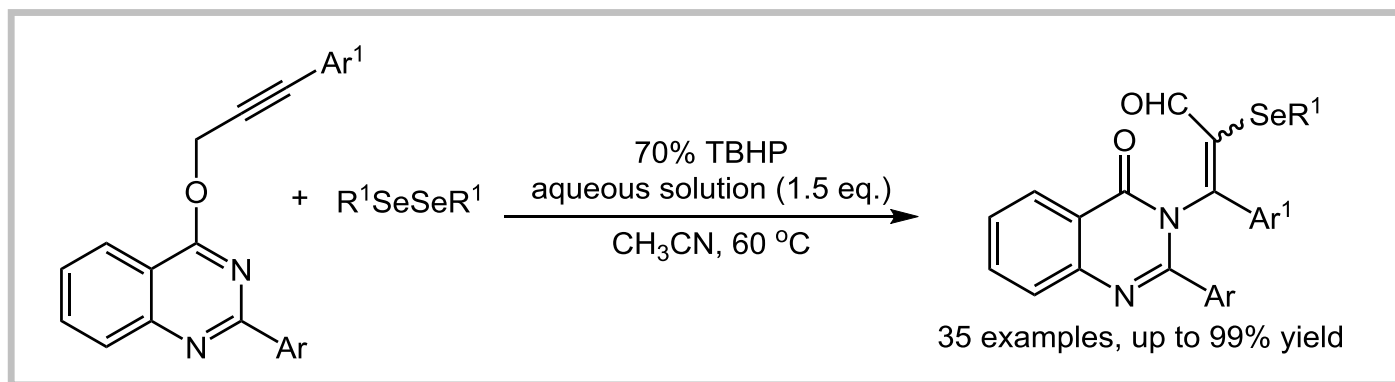




## Mechanism Speculation I Recommended by Hao Tang

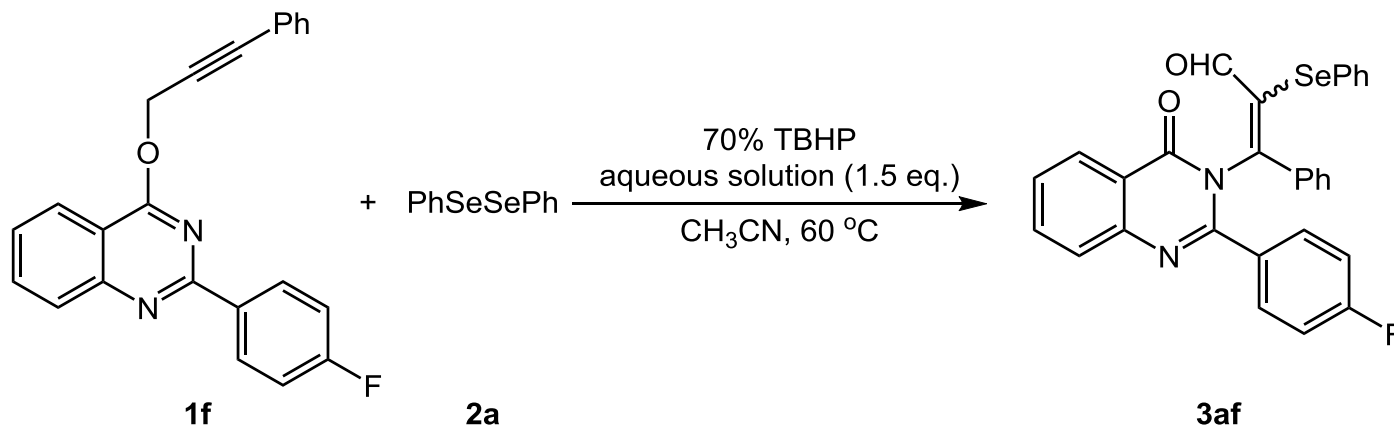
# Synthesis of Selenium-Containing *N*-Quinazolinyll Acroleins via a 3,3-Radical Rearrangement Cascade Reaction



Wu, Q.; Zhang, X.; Yang, Q.; Song, Z.; Ding, Q.; Peng, Y. *Org. Lett.* **2024**, 26, 530

# Control Experiments

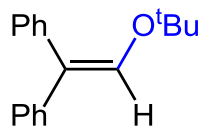
## Inhibition Experiments



- (1) BHT: 2.0 eq. (10% yield of **3af**); 4.0 eq. (0% yield of **3af**)  
(2) TMEPO: 2.0 eq. (26% yield of **3af**); 4.0 eq. (0% yield of **3af**)  
(3) DPE: 2.0 eq. (60% yield of **3af**); 4.0 eq. (0% yield of **3af**)

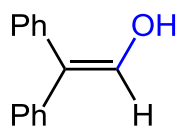
### (4) HPLC-HMS detect

added 2.0 eq. of DPE

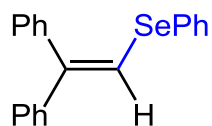


252.1514

**5**



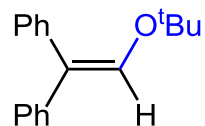
**6**



337.0495

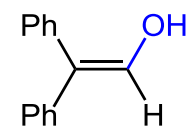
**7**

added 4.0 eq. of DPE



252.1514

**5**



**6**

# Proposed Mechanism

