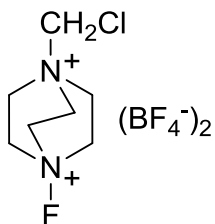
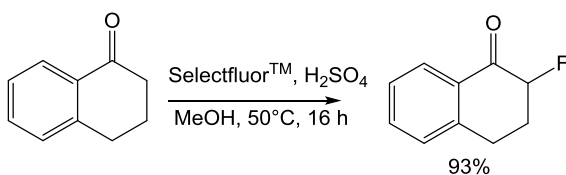


Catalog # 07-0332 1-(Chloromethyl)-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane bis(tetrafluoroborate), min. 97% SelectFluor™

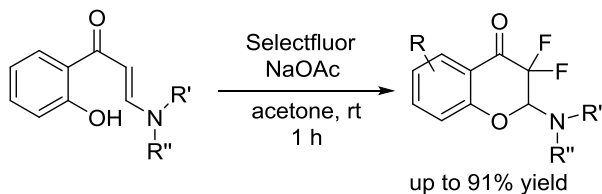


**Technical Notes:**

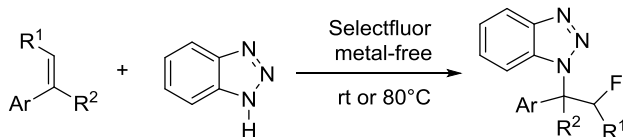
1. SelectFluor™ is one of the most efficient and popular reagents for electrophilic fluorination. The product is also useful as a reagent, or catalyst, for oxidative transformations, coupling reactions and halogenations.<sup>1</sup>
2. Useful for the direct electrophilic fluorination of ketones, ketals and enamides.
3. Selectively-triggered tandem cyclization of o-hydroxyarylenaminones to access difluorinated 2-amino substituted chromanones.
4. Metal-free, three component regioselective amino fluorination of styrene derivatives.
5. Synthesis of pentafluoroethyl ethers by silver-mediated oxidative pentafluoroethylation of alcohols and phenols.
6. Decarboxylative fluorination of electron-rich heteraromatic carboxylic acids with Selectfluor.
7. Catalyst free synthesis of  $\alpha$ -fluoro- $\beta$ -hydroxy ketones.



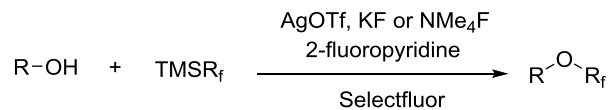
**Tech Note (2)**  
**Ref. (2)**



**Tech Note (3)**  
**Ref. (3)**

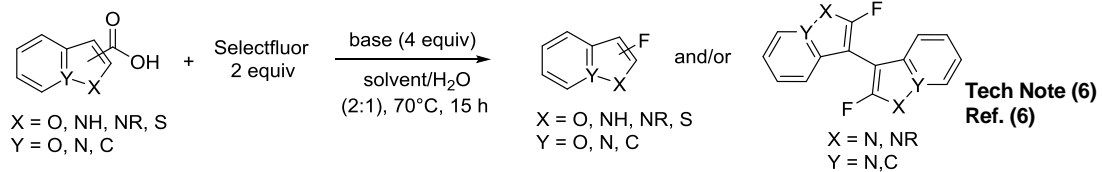


**Tech Note (4)**  
**Ref. (4)**



R = alkyl, aryl R<sub>f</sub> = C<sub>2</sub>F<sub>5</sub>, CF<sub>2</sub>CO<sub>2</sub>Et, CF<sub>2</sub>CF<sub>2</sub>CF<sub>3</sub>

**Tech Note (5)**  
**Ref. (5)**



**Tech Note (6)**  
**Ref. (6)**

#### References:

1. *Molecules*, **2011**, *16*, 6432. (review).
2. *Tetrahedron Lett.*, **2012**, *53*(12), 2971.
3. *J. Org.Chem.*, **2017**, *82*, 9837.
4. *J. Org.Chem.*, **2017**, *82*, 8258.
5. *J. Org.Chem.*, **2017**, *82*, 3702.
6. *Org. Letts.*, **2017**, *19*, 1410.
7. *Org. Biomol. Chem.*, **2017**, *15*, 2063.