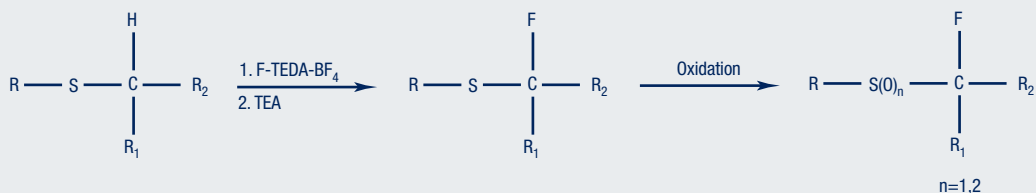


Examples of Fluorination

Sulfides - Synthesis of 2 - Fluorosulfide, Sulfoxide or Sufone



Sulfide	Fluorination Conditions	Oxidations Conditions	Product
	1. F-TEDA-BF ₄ , RT CH ₃ CN 2. TEA	NBS, MeOH, H ₂ O CH ₂ CL ₂ RT, 30 min.	 48% Yield
	1. F-TEDA-BF ₄ , RT CH ₃ CN 2. TEA	NBS, MeOH, H ₂ O CH ₂ CL ₂ RT, 30 min.	 61% Yield
	1. F-TEDA-BF ₄ , RT CH ₃ CN 2. TEA	NBS, MeOH, H ₂ O CH ₂ CL ₂ RT, 30 min.	 51% Yield
CH ₃ SC ₉ H ₁₉	1. F-TEDA-BF ₄ , RT CH ₃ CN 2. TEA	MCPBA, CH ₂ CL ₂ RT, 6 h	CH ₂ FSO ₂ C ₉ H ₁₉ 35% Yield
CH ₃ SCH ₂ CO ₂ Et	1. F-TEDA-BF ₄ , RT CH ₃ CN 2. TEA	MCPBA, CH ₂ CL ₂ RT, 6 h	CH ₃ SO ₂ CHFCO ₂ Et 58% Yield