

Key Technology Areas

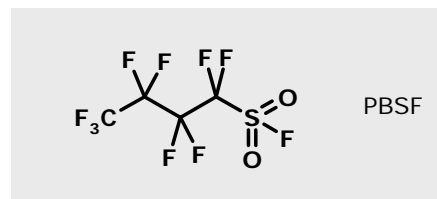
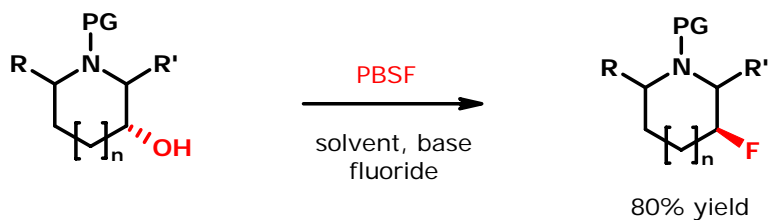
Fluorine chemistry

- PBSF : a new Fluorinating Agent
- Halogen Exchange Reactions (Halex)
- Fluorinations with anhydrous HF
- Custom Synthesis of Fluorinated Building Blocks for pre-clinical supply



PBSF – A New Fluorinating Agent

Perfluorobutane sulfonyl fluoride

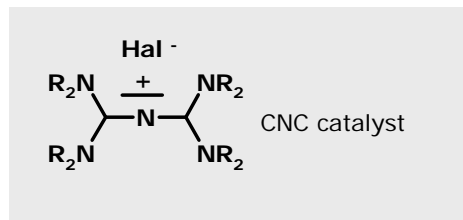


Perfluorobutane sulfonyl fluoride

- allows stereo selective conversion of hydroxy groups into fluoro compounds
- is a colorless liquid, b.p. 66°C, non toxic
- shows low reactivity with moisture/air/water
- not ignitable
- is produced at LANXESS in several metric tons per year

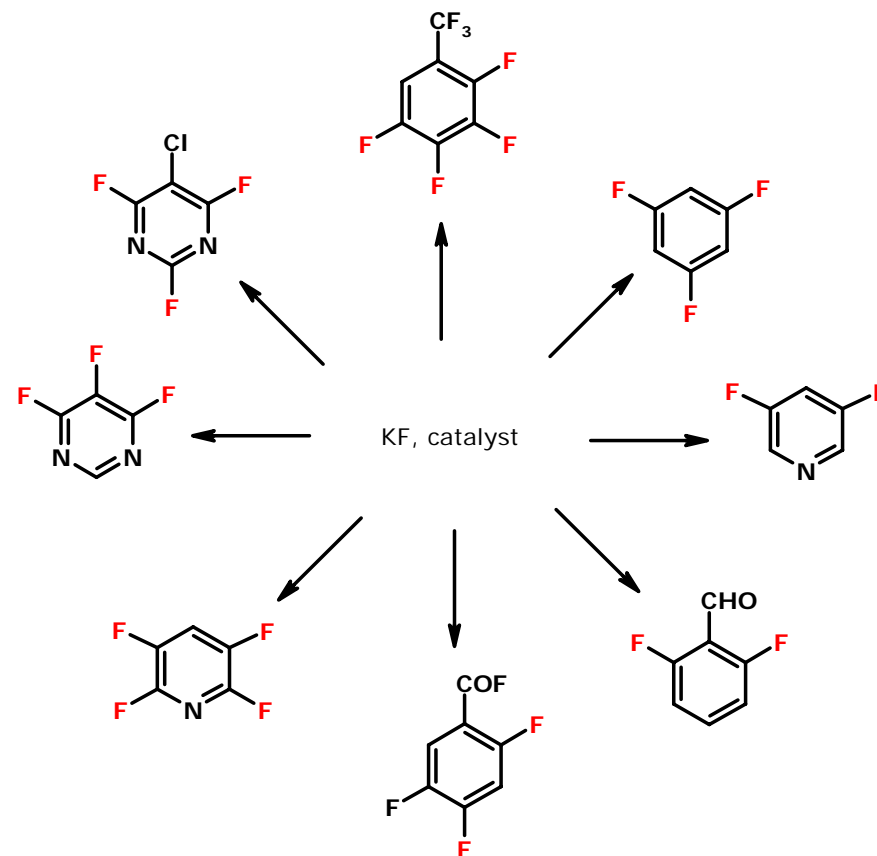
Halogen Exchange Reactions

CNC – a new generation of phase-transfer catalysts for halex reactions



CNC is

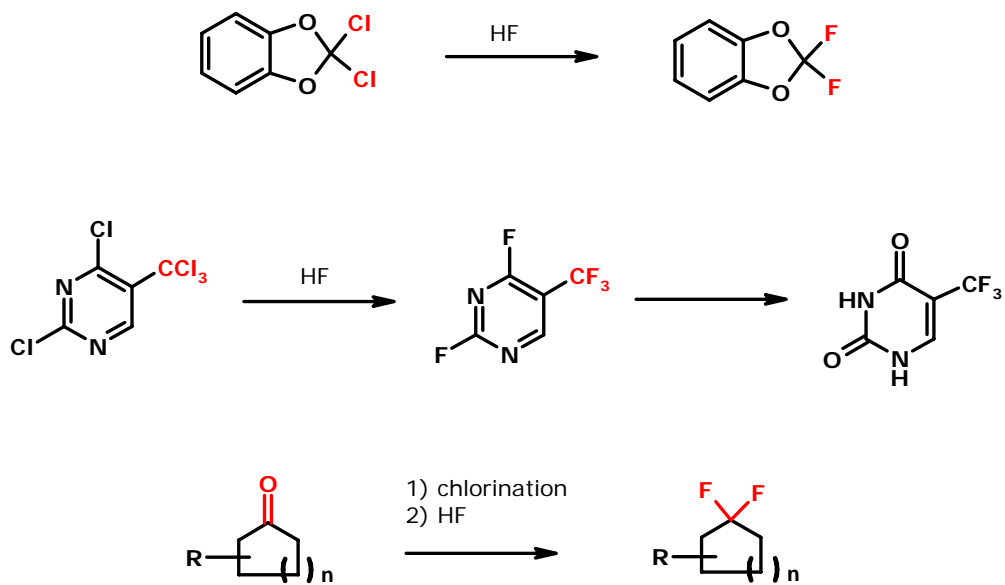
- Saltigo's own proprietary catalyst system
- highly temperature stable
- non-toxic
- allows halex reaction of inactivated substrates



Fluorinations with HF

Anhydrous HF - the cheapest source of fluoride

Enables many important transformations, such as halo-fluorinations (HF/NBS) and nitro-fluorinations (HF/HNO₃), Halex reactions, direct trifluoro-methylation and rearrangement reactions



Properties of anhydrous HF

- very good solvent
- strong acid
- very corrosive and toxic: handling requires special expertise

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customized competence

History | Saltigo | Service | Technologies | Development | Manufacturing | Quality | What's new | Additional Info

Key Technologies | Classic Reactions | Exceptions

Custom synthesis of fluorinated building blocks for preclinical supply

- Over 40 years experience in fluorine chemistry
- Established procedures for over 21.000 compounds
- More than 4.000 substances on stock (5 g to 100 kg)
- Custom synthesis of non-commercial, new and unpublished fluorinated products



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