

3ASenrise®

www.3Asenrise.com
+86-400-005-6266
Service@3asenrise.com

Singapore

+65-66354736
Service-sg@3asenrise.com

Japan

Service-jp@3asenrise.com

3ASenrise®

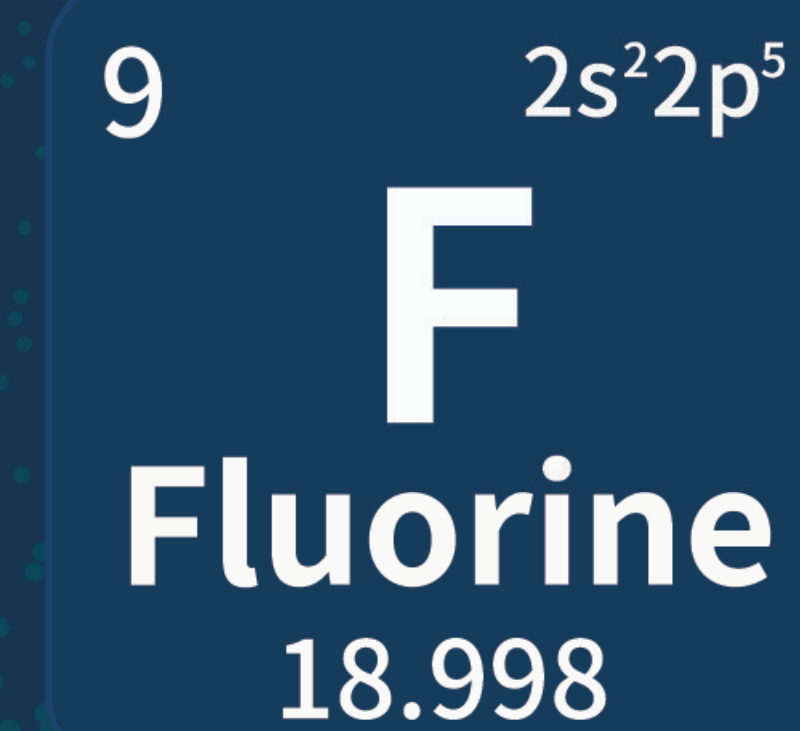
Fluorine

An Atom That Changes the World

A SMALL ATOM WITH A BIG EGO

Since the 1930s to the present, organic fluorine chemistry has always been flourishing.

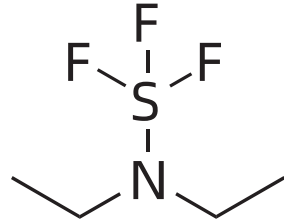
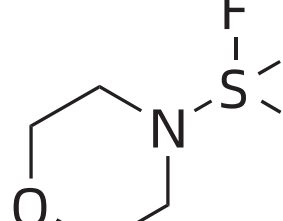
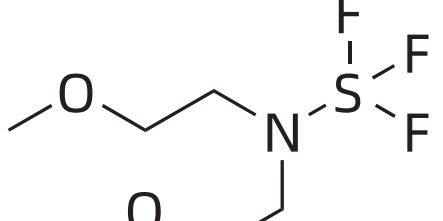
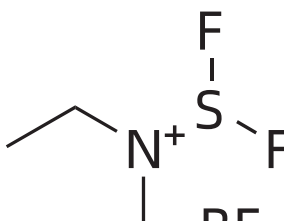
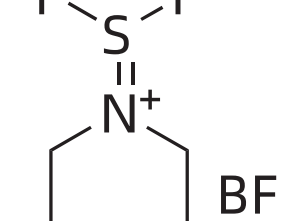
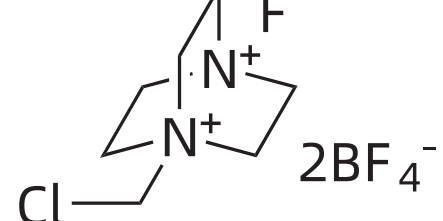
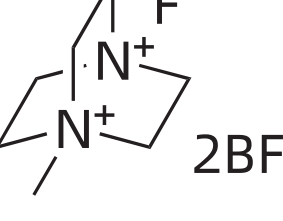
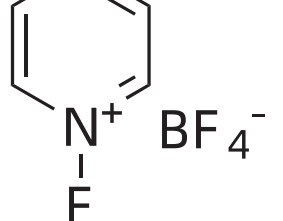
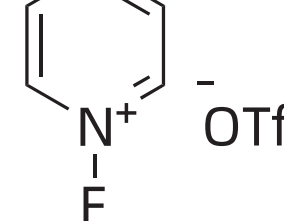
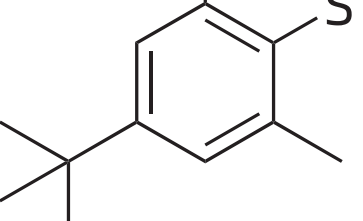
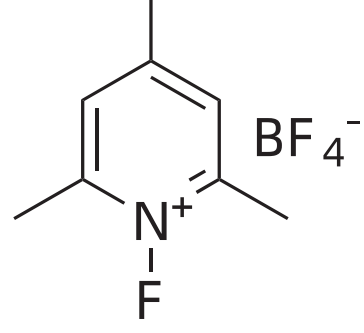
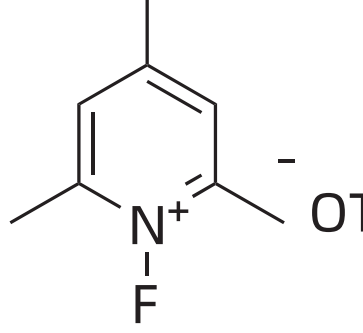
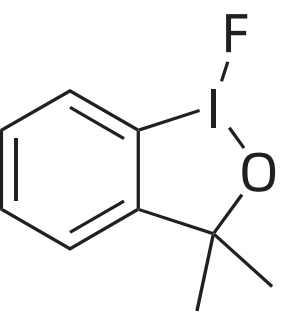
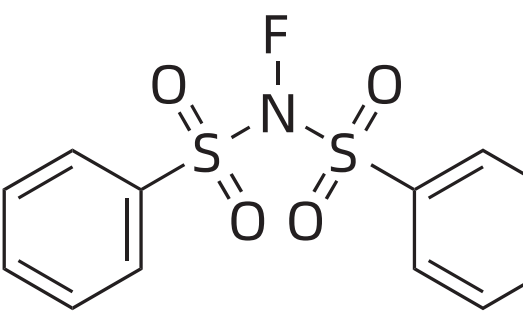
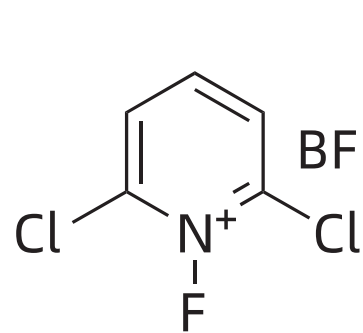
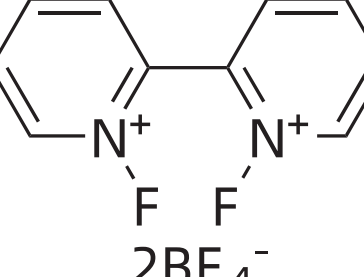
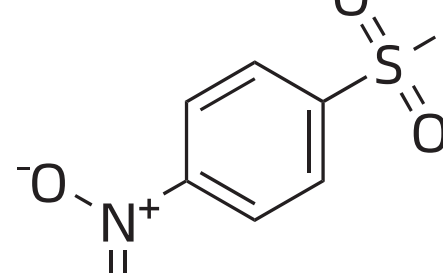
The introduction of fluorine atoms can confer unique physical, chemical properties, and physiological activities to organic compounds, therefore, the role of fluorinated compounds in the fields of medicine, pesticides, and functional materials has attracted widespread attention.

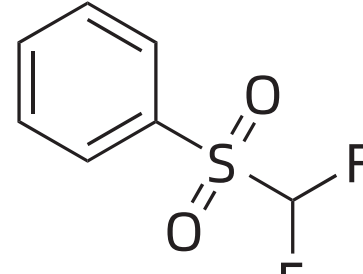
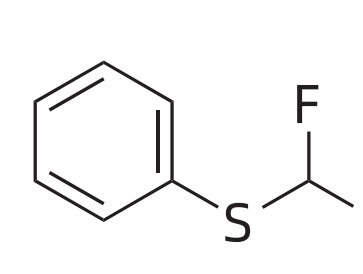
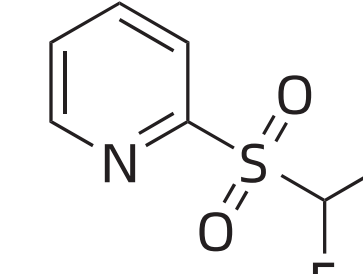
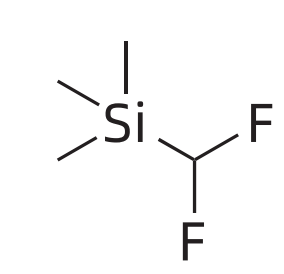
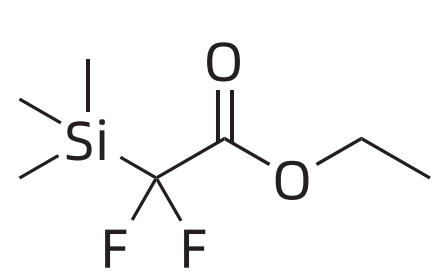
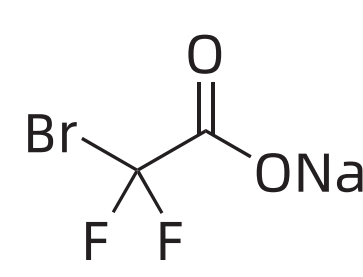
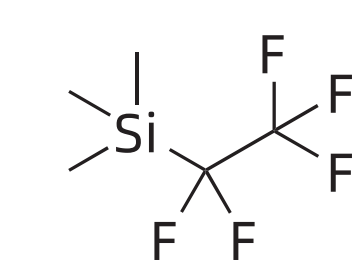
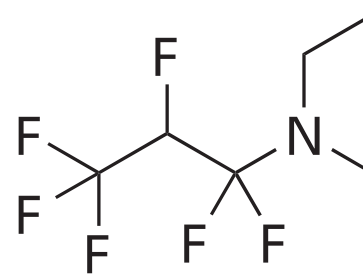
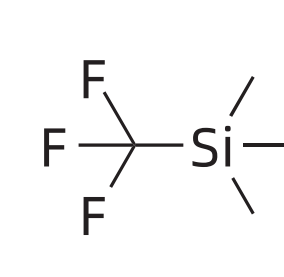
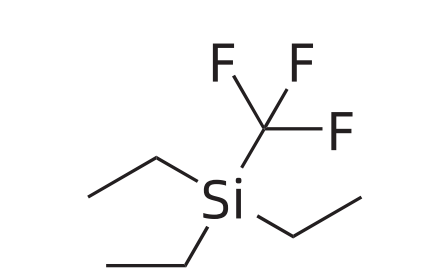
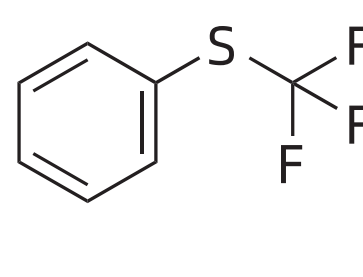
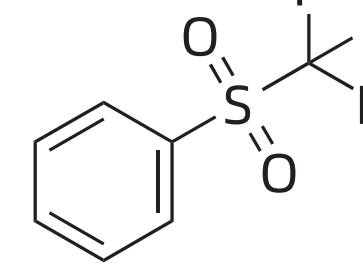
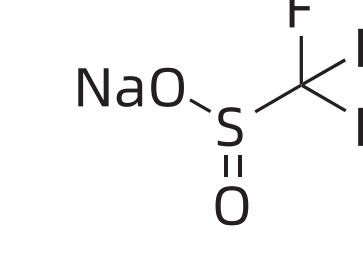
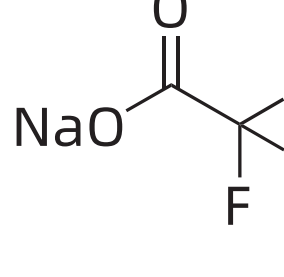
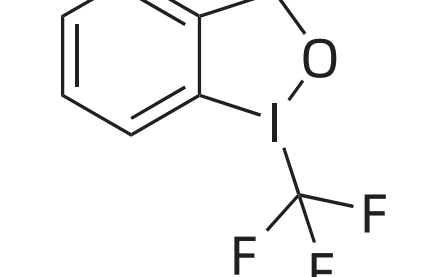
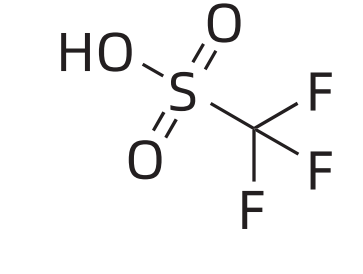
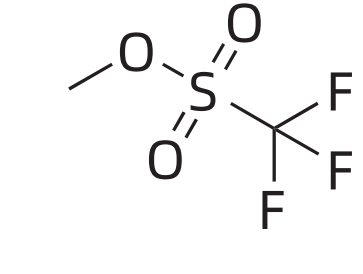
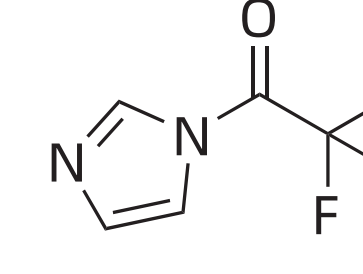
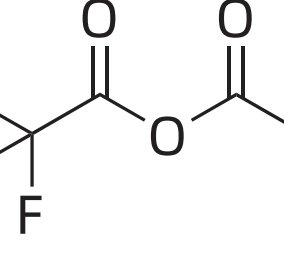
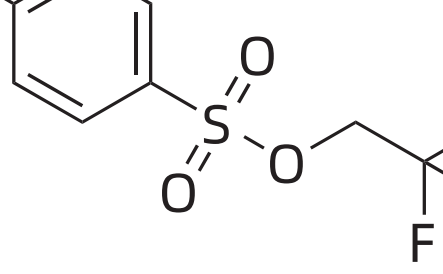
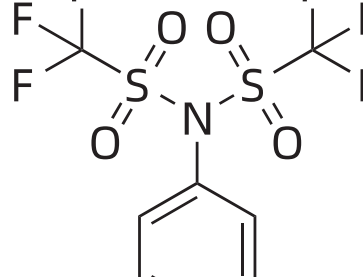
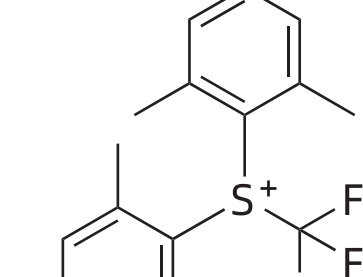
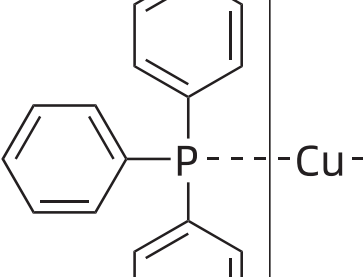
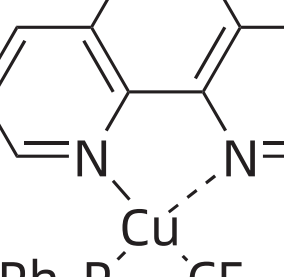
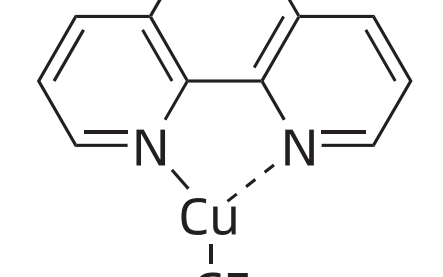
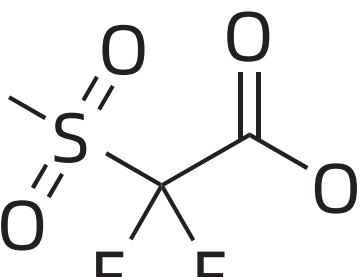
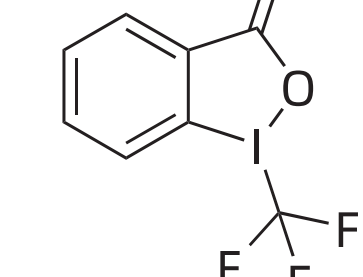
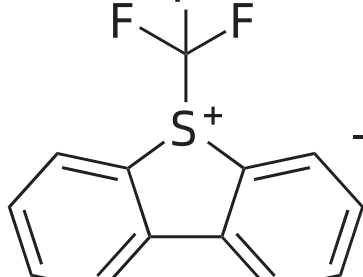
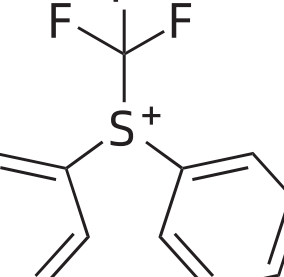
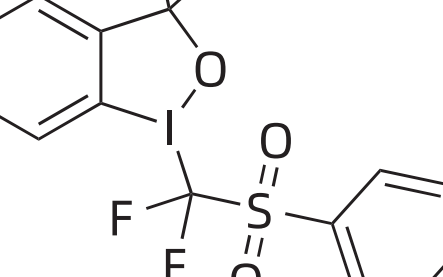


Halogenation Reagents

Literature indicates that the incorporation of halogen atoms or halogen-containing groups into organic molecules, due to their electrophilic and mesomeric effects, alters the electron cloud density distribution within the molecules. This impacts the acidity and basicity of the structure, leading to a series of changes in pharmacological and physiological properties, such as cell membrane permeability and metabolic stability.

Statistical data shows that in 2018 and 2019, nitrogen-containing molecules accounted for 45% and 41% of the drugs approved by the FDA, respectively. Furthermore, approximately 15-20% of the new drugs that come to market each year are organic fluorine compounds, which play a crucial role in the treatment of various diseases. However, naturally occurring organic halogen compounds are extremely rare in nature. Therefore, the effective introduction of halogens into organic compounds is an important topic in organic halogen chemistry.

Fluorinating reagent				
				
38078-09-0	51010-74-3	202289-38-1	63517-29-3	63517-33-9
				
140681-55-6	159269-48-4	107264-09-5	107263-95-6	947725-04-4
				
109705-14-8	107264-00-6	1391728-13-4	133745-75-2	140623-89-8
				
178439-26-4	349-96-2	7775-41-9	7783-95-1	13709-36-9

Fluoroalkyl reagent				
				
1535-65-5	1535-67-7	1219454-89-3	65864-64-4	205865-67-4
				
84349-27-9	124898-13-1	309-88-6	81290-20-2	120120-26-5
				
456-56-4	426-58-4	2926-29-6	2923-18-4	887144-97-0
				
1493-13-6	333-27-7	1546-79-8	407-25-0	433-06-7
				
37595-74-7	1895006-01-5	325810-07-9	1334890-93-5	1300746-79-5
				
680-15-9	887144-94-7	129946-88-9	147531-11-1	1052174-67-0