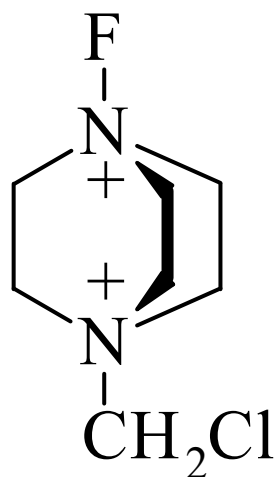




>>Entry Name: 1-Chloromethyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane(2+)



Molecular Formula: C₇H₁₄ClFN₂²⁽⁺⁾

Molecular Weight: 180.652

Accurate Mass: 180.082953

Percentage Composition: C 46.54%; H 7.81%; Cl 19.62%; F 10.52%; N 15.51%

>>**Derivative:** Bis-tetrafluoroborate

Synonym(s): Selectfluor. F-TEDA-BF₄

CAS Registry Number: 140681-55-6

Molecular Formula: C₇H₁₄B₂ClF₉N₂

Molecular Weight: 354.261

Accurate Mass: 354.088787

Percentage Composition: C 23.73%; H 3.98%; B 6.10%; Cl 10.01%; F 48.27%; N 7.91%

Use/Importance: Stable electrophilic fluorinating agent

Melting Point: Mp 220-224 dec.°

Aldrich: 43947-9

Fluka: 25140

Other: Air Products

References:

U.S. Pat., 1992, *Air Products and Chemicals Inc.*, 5 086 178; *CA*, **116**, 194355b, (*synth*)

Banks, R.E. *et al.*, *Acta Cryst. C*, 1993, **49**, 492, (*synth, cryst struct*)

Banks, R.E. *et al.*, *Chem. Comm.*, 1994, 343; 1996, 1629, (*use*)

Lal, G.S. *et al.*, *J.O.C.*, 1995, **60**, 7340, (*props*)