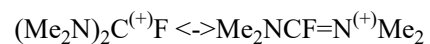




>>Entry Name: Fluorobis(dimethylamino)methenium(1+)

Synonym(s): *N*-[(Dimethylamino)fluoromethylene]-*N*-methylmethanaminium, 9Cl



Molecular Formula: $\text{C}_5\text{H}_{12}\text{FN}_2^{(+)}$

Molecular Weight: 119.162

Accurate Mass: 119.098451

Percentage Composition: C 50.40%; H 10.15%; F 15.94%; N 23.51%

>>Derivative: Hexafluorophosphate

CAS Registry Number: 164298-23-1

Molecular Formula: $\text{C}_3\text{H}_{12}\text{F}_7\text{N}_2\text{P}$

Molecular Weight: 264.126

Accurate Mass: 264.062631

Percentage Composition: C 22.74%; H 4.58%; F 50.35%; N 10.61%; P 11.73%

Use/Importance: Peptide coupling reagent

Physical Description: Cryst. (MeCN/Et₂O)

Melting Point: Mp 112-113°

References:

Carpino, L.A. *et al.*, *J.A.C.S.*, 1995, **117**, 5401-5402, (*synth*, *pmr*)

Vojkovsky, T. *et al.*, *Org. Prep. Proced. Int.*, 1997, **29**, 497-498, (*synth*)

Boas, U. *et al.*, *Synth. Commun.*, 1998, **28**, 1223-1231, (*synth*, *pmr*, *cmr*)