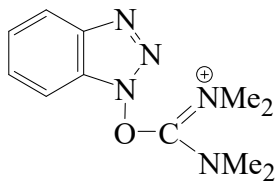




>>Entry Name: ***O*-(1-Benzotriazolyl)-*N,N,N',N'*-tetramethyluronium**

Synonym(s): *N*-[(1*H*-Benzotriazol-1-yloxy)(dimethylamino)methylene]-*N*-methylmethanaminium(1+), 9Cl



**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>N<sub>5</sub>O<sup>(+)</sup>

**Molecular Weight:** 234.28

**Accurate Mass:** 234.135485

**Percentage Composition:** C 56.39%; H 6.88%; N 29.89%; O 6.83%

>>Derivative: Hexafluorophosphate

**CAS Registry Number:** 94790-37-1

**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>F<sub>6</sub>N<sub>5</sub>OP

**Molecular Weight:** 379.245

**Accurate Mass:** 379.099665

**Percentage Composition:** C 34.84%; H 4.25%; F 30.06%; N 18.47%; O 4.22%; P 8.17%

**Use/Importance:** Coupling reagent for peptide synthesis

**Physical Description:** Cryst. (MeCN)

**Melting Point:** Mp 254° (250°)

**Aldrich:** 35957-2

**Sigma:** B2778

>>Derivative: Tetrafluoroborate

**CAS Registry Number:** 125700-67-6

**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>BF<sub>4</sub>N<sub>5</sub>O

**Molecular Weight:** 321.085

**Accurate Mass:** 321.138402

**Percentage Composition:** C 41.15%; H 5.02%; B 3.37%; F 23.67%; N 21.81%; O 4.98%

**Use/Importance:** Coupling reagent for peptide synthesis

**Aldrich:** 38552-2

**Sigma:** B2903

**Other:** Aceto

#### References:

Dourtoglou, V. *et al.*, *Tet. Lett.*, 1978, 1269-1272, (*hexafluorophosphate, synth, use*)

Dourtoglou, V. *et al.*, *Synthesis*, 1984, 572-574, (*hexafluorophosphate, synth, use*)

Knorr, R. *et al.*, *Tet. Lett.*, 1989, **30**, 1927-1930, (*hexafluorophosphate, tetrafluoroborate, synth, use*)

Thaler, A. *et al.*, *Helv. Chim. Acta*, 1991, **74**, 617-627, (*tetrafluoroborate, synth, use*)