



>>Entry Name: Triethylphenylammonium(1+)

Synonym(s): *N,N,N*-Triethylbenzenaminium(1+), 9Cl

CAS Registry Number: 310-24-7

PhN<sup>(+)</sup>Et<sub>3</sub>

Molecular Formula: C<sub>12</sub>H<sub>20</sub>N<sup>(+)</sup>

Molecular Weight: 178.297

Accurate Mass: 178.159574

Percentage Composition: C 80.84%; H 11.31%; N 7.86%

>>Derivative: Hydroxide

CAS Registry Number: 7620-71-5

Molecular Formula: C<sub>12</sub>H<sub>21</sub>NO

Molecular Weight: 195.304

Accurate Mass: 195.162314

Percentage Composition: C 73.80%; H 10.84%; N 7.17%; O 8.19%

Use/Importance: Reagent for flash-heater ethylation of drugs for anal.

>>Derivative: Iodide

CAS Registry Number: 1010-19-1

Molecular Formula: C<sub>12</sub>H<sub>20</sub>IN

Molecular Weight: 305.201

Accurate Mass: 305.064047

Percentage Composition: C 47.23%; H 6.60%; I 41.58%; N 4.59%

Physical Description: Cryst.

Melting Point: Mp 125-127°

References:

Pressman, D. *et al.*, *J.A.C.S.*, 1946, **68**, 250, (*synth, iodide*)

Friel, P. *et al.*, *Clin. Chem. (Winston-Salem, N.C.)*, 1975, **21**, 751, (*use*)