



>>Entry Name: Tris(4-nitrophenyl) phosphate, 9Cl

CAS Registry Number: 3871-20-3

Molecular Formula: C₁₈H₁₂N₃O₁₀P

Molecular Weight: 461.281

Accurate Mass: 461.026034

Percentage Composition: C 46.87%; H 2.62%; N 9.11%; O 34.68%; P 6.71%

Use/Importance: Converts alkyl and activated aryl and heteroaryl halides into their *p*-nitrophenyl ethers. Peptide forming reagent.

Physical Description: Cryst. (EtOAc or Me₂CO)

Melting Point: Mp 156°

Fluka: 93380

Rare Chemicals Library: S45518-0

Sigma: N3127

References:

Moffatt, J.G. *et al.*, *J.A.C.S.*, 1957, **79**, 3741, (*synth*)

Mukaiyama, T. *et al.*, *Chem. Lett.*, 1979, 1305, (*use*)

Bel'skii, V.E. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1979, 1633; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1979, 1510, (*P-31 nmr*)

Effenberger, F. *et al.*, *Synthesis*, 1981, 70, (*synth*)

Ohta, A. *et al.*, *Synthesis*, 1982, 828, (*props, use*)