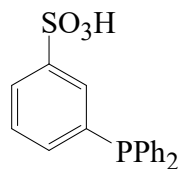




>>Entry Name: 3-(Diphenylphosphino)benzenesulfonic acid

Synonym(s): Triphenylphosphine-*m*-sulfonic acid



CAS Registry Number: 16704-71-5

Type of Compound Code(s): AC0300

Molecular Formula: C₁₈H₁₅O₃PS

Molecular Weight: 342.355

Accurate Mass: 342.047952

Percentage Composition: C 63.15%; H 4.42%; O 14.02%; P 9.05%; S 9.37%

Use/Importance: Intermed. to water-soluble transition metal complexes used as catalysts for hydrogenation and hydroformylation of alkenes

>>Derivative: Na salt

CAS Registry Number: 63995-75-5

Physical Description: Cryst. (EtOH)

>>Derivative: Benzylisothiuronium salt

Melting Point: Mp 146-148°

References:

Ahrland, S. *et al.*, *J.C.S.*, 1958, 276-288, (*synth, ir, Na salt*)

Borowski, A.F. *et al.*, *Nouv. J. Chim.*, 1978, **2**, 137-144, (*complexes*)