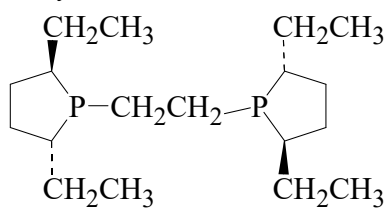




>>Entry Name: 1,2-Bis(2,5-diethylphospholano)ethane

Synonym(s): 1,1'-(1,2-Ethanediyl)bis[2,5-diethylphospholane], 9CI. Ethyl-BPE



Related CAS Registry Numbers(s): 136779-27-6

Molecular Formula: C₁₈H₃₆P₂

Molecular Weight: 314.43

Accurate Mass: 314.229224

Percentage Composition: C 68.76%; H 11.54%; P 19.70%

>>Variant: (all-*R*)-form

CAS Registry Number: 136705-62-9

Molecular Formula: C₁₈H₃₆P₂

Molecular Weight: 314.43

Accurate Mass: 314.229224

Percentage Composition: C 68.76%; H 11.54%; P 19.70%

Use/Importance: Complexes with Rh to form an asymmetric hydrogenation catalyst

Physical Description: Oil

Boiling Point: Bp_{0.05} 104-106°

Optical Rotation: [α]_D²⁵+320 (c, 1 in hexane)

References:

Burk, M.J. *et al.*, *J.A.C.S.*, 1993, **115**, 10125-10138, (*synth, pmr, cmr, P-31 nmr, ms, use*)