

Dichloro[bis(η^5 -2,4-cyclopentadien-1-yl)alkylphosphan]zirconium:

PR(C₅H₄)₂ZrCl₂; R = Me, Et, ⁱPr, ^tBu

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Zirconium, Ansa-Metallocene, Cyclopentadienyl, Phosphine, Crystal Structure

A series of new ansa-zirconocene dichloride compounds [PR(C₅H₄)₂ZrCl₂; R = Me (**5**), Et (**6**), ⁱPr (**7**), ^tBu (**8**)] with phosphorus as bridging atom between the cyclopentadienyl rings have been prepared, isolated, and characterised by ¹H, ¹³C, ³¹P NMR spectroscopy, mass spectrometry and elemental analysis. The X-ray structure of **5** is reported.

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