



>>Entry Name: Tricarbonyl(η^5 -2,4-cyclopentadien-1-yl)rhenium, 9CI

Synonym(s): Cyclopentadienyltricarbonylrhenium

CAS Registry Number: 12079-73-1

As (η^5 -1-Bromo-2,4-cyclopentadien-1-yl)tricarbonylrhenium, GTT66-D with
X = H

Molecular Formula: $C_5H_5O_3Re$

Molecular Weight: 335.333

Accurate Mass: 335.979614

Percentage Composition: C 28.65%; H 1.50%; O 14.31%; Re 55.53%

Source/Synthesis: Synth. from $Re_2(CO)_{10}$ and dicyclopentadiene

Physical Description: Air-stable colourless cryst. (hexane)

Melting Point: Mp 112°

Aldrich: 34685-3

References:

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Cozak, D. *et al.*, *Spectrosc. Lett.*, 1976, **9**, 673, (*cmr*)
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Tam, W. *et al.*, *J.A.C.S.*, 1982, **104**, 141, (*synth, pmr*)
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