

1509
ED

C₄H₂FeO₄

Dihydrotetracarbonyliron(II)
Iron tetracarbonyl dihydride

C_{2v}
H₂Fe(CO)₄

$r^a)$	$\text{\AA}^b)$	$\theta_g^a)$	deg $^b)$
C=O (average)	1.145(3)	C(ax)–Fe–C(ax)	148.5(15)
Fe–H	1.556(21)	C(eq)–Fe–C(eq)	96.0(6)
Fe–C(ax)	1.832(3)	Fe–C(eq)=O	165.5(21)
Fe–C(eq)	1.802(3)	Fe–C(ax)=O	176.2(36)
		H–Fe–H	100(10)

The nozzle temperature was not stated, probably room temperature.

^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Three times the estimated standard error or 0.15 % of the quantity listed, whichever is greater.

McNeill, E.A., Scholer, F.R.: J. Am. Chem. Soc. **99** (1977) 6243.

