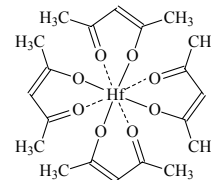


942  
ED $C_{20}H_{28}HfO_8$ **Tetrakis(acetylacetonato)hafnium(IV)**  
Tetrakis(2,4-pentanedionato- $\kappa O, \kappa O'$ )hafnium**D<sub>2</sub>** assumed

$r_g$	Å <sup>a)</sup>
C–H	1.100(5)
O(1)–Hf	2.265(3)
C(2)...Hf	3.040(6)
C(1)–C(2)	1.518(3)
C(2)–C(3)	1.399(7)
C(3)...Hf	3.469(7)
C(2)–O(1)	1.245(4)

$\theta_a$	deg <sup>a)</sup>
O(1)–Hf–O(2)	76.9(3)
C(2)...Hf...C(4)	51(1)
C(1)–C(2)–C(3)	107.65(4)
C(2)–C(1)–H	110.0 <sup>b)</sup>
$\varphi$ <sup>c)</sup>	63.5(4)
$\phi$ <sup>d)</sup>	8.0(15)



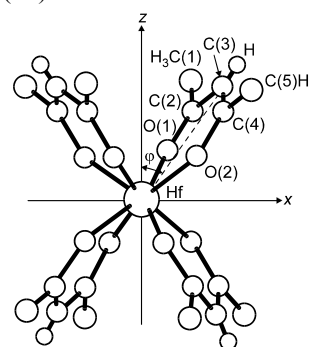
Local C<sub>3v</sub> symmetry was assumed for the methyl groups.  
The temperature of the measurements was 460(5) K [1].

<sup>a)</sup> 2.5 times the estimated standard errors  
including a systematic error.

<sup>b)</sup> Assumed.

<sup>c)</sup> See figure for definition.

<sup>d)</sup> Upward bending angle of the OC(2)C(3)C(4)O  
ring along the O(1)...O(2) axis.



Ezhov, Yu.S., Komarov, S.A., Sevast'yanov, V.G.: Zh. Strukt. Khim. **39** No.1 (1998) 46;  
J. Struct. Chem. (Engl. Transl.) **39** (1998) 36.

[1] Ezhov, Yu.S., Komarov, S.A., Sevast'yanov, V.G., Timofeev, A.N., Filatov, I.Yu.:  
Vysokochist. Veshchestva No.5 (1993) 103.