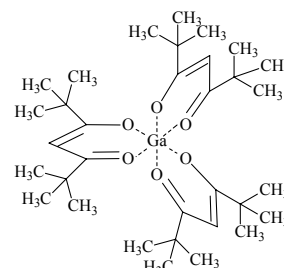


954  
ED $C_{33}H_{57}GaO_6$ Tris(2,2,6,6-tetramethyl-3,5-heptanedionato- $\kappa O, \kappa O'$ )gallium  
Tris(dipivaloylmethanato)gallium $C_3$ 

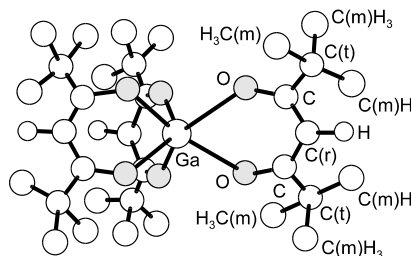
$r_g$	$\text{\AA}^a$
Ga–O	1.946(5)
O–C	1.280(8)
C–C(r)	1.421(7)
C–C(t)	1.548(4)
C(t)–C(m)	1.551(7)
C(m)–H	1.139(11)
C(r)–H	1.115 <sup>c)</sup>

$\theta_u$	deg <sup>a)</sup>
O–Ga–O	88.0(8)
C–C(r)–C	119.5(13)
O–C–C(t)	117.1(10)
C–C(t)–C(m)	109.2(13)
H–C(m)–C(t)	109.6(10)
$\varphi^b$	24.5(10)
$\tau_1^d$	12.4(8)
$\tau_2^e$	14.5(13)



Local  $C_{3v}$  symmetry was assumed for the methyl and *t*-butyl groups.  
The nozzle temperature was 377...384(5) K.

- <sup>a)</sup> 2.5 times the estimated standard errors including a systematic error.  
<sup>b)</sup> Angle of ligand folding along the O...O line, *i.e.*, angle between the OGaO and OCC(r)CO planes.  
<sup>c)</sup> Assumed.  
<sup>d)</sup> Angle of the ligand rotation about the Ga...C(r) axis;  $\tau_1 = 0^\circ$  when overall symmetry is  $D_{3h}$  for  $\varphi = 0^\circ$ .  
<sup>e)</sup> C(m)–C(t)–C–C(r) torsional angle;  $\tau_2 = 0^\circ$  for the *syn* position.



Belova, N.V., Girichev, G.V., Giricheva, N.I., Kuzmina, N.P.: Zh. Strukt. Khim. **40** No.3 (1999) 477; J. Struct. Chem. (Engl. Transl.) **40** (1999) 394.