$ZrIr_3B_{3.75}$	*hP*16	(176) $P6_3/m$ – h^2db

$ZrIr_3B_{3.75}$ [1]
Structural features: Infinite columns of face-linked BIr_6 octahedra (parallel to [001]) and $B(Zr_3Ir_3)Ir$ monocapped trigonal prisms (prism axes perpendicular to [001]) share atoms to form a dense framework. Linear -B- chains (partial vacancies ignored) and single B atoms.

Rogl P. (1978) [1]
$B_{3.76}Ir_3Zr$
$a = 0.756$, $c = 0.3512$ nm, $c/a = 0.465$, $V = 0.1738$ nm^3, $Z = 2$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
B1	6*h*	*m*..	0.044	0.439	$^1/_4$		tricapped trigonal prism $Ir_4B_2Zr_3$
Ir2	6*h*	*m*..	0.2551	0.3285	$^1/_4$		pentagonal pyramid B_6
Zr3	2*d*	-6..	$^2/_3$	$^1/_3$	$^1/_4$		pseudo Frank-Kasper $B_9Ir_9Zr_2$
B4	2*b*	-3..	0	0	0	0.76	colinear B_2

Transformation from published data: *y*,*x*,-*z*
Experimental: single crystal, diffractometer, X-rays, R = 0.038

References: [1] Rogl P. (1978), Acta Crystallogr. B 34, 721-724.