

An Efficient Approach to Phosphorylated Isoindoline Fused with Triazoles via Zn-Catalyzed Cascade Cyclization of 2-Propynol Benzyl Azides and Diarylphosphine Oxides

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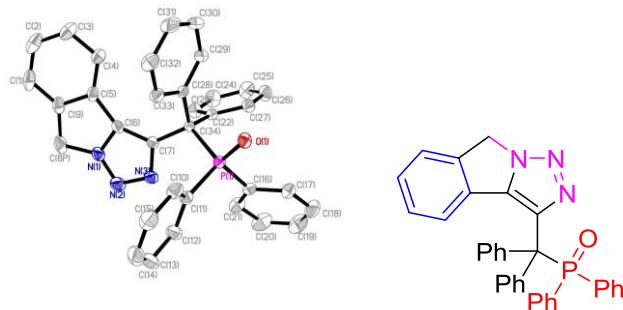
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Crystal preparation and X-ray diffraction analysis of compound 3a



Datablock: 1

Bond precision: C-C = 0.0047 Å Wavelength=0.71073

Cell: $a=10.3355(13)$ $b=15.828(2)$ $c=19.435(2)$
 $\alpha=90.738(2)$ $\beta=101.662(2)$ $\gamma=107.843(2)$
 Temperature: 296 K

	Calculated	Reported
Volume	2954.4(6)	2954.3(6)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	2(C34 H26 N3 O P), C4 H8 O2	?
Sum formula	C72 H60 N6 O4 P2	C72 H60 N6 O4 P2
Mr	1135.20	1135.20
Dx, g cm ⁻³	1.276	1.276
Z	2	2
Mu (mm ⁻¹)	0.131	0.131
F000	1192.0	1192.0
F000'	1192.85	
h,k,lmax	12,19,23	12,19,23
Nref	11618	11539
Tmin, Tmax	0.961, 0.965	
Tmin'	0.961	

Correction method= Not given

Data completeness= 0.993 Theta(max)= 25.999

R(reflections)= 0.0563(7635) wR2(reflections)= 0.1784(11539)

S = 1.007 Npar= 757

