

**One-pot diastereoselective synthesis
of functionalized 4,5-dihydropyrroles
by reactions of arylglyoxals, β -dicarbonyl compounds,
and aromatic amines**

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SUPPLEMENTARY INFORMATION

Parameters of crystal structures **4a** and **7a** and experimental details

	4a	7a
Empirical formula	C ₂₅ H ₂₄ N ₂ O ₂	C ₂₀ H ₂₁ NO ₃
M_r	384.46	323.38
Syngony	rhombic	monoclinic
Space group	P2 ₁ 2 ₁ 2 ₁	P2 ₁ /n
a , Å	10.5232(8)	9.2304(5)
b , Å	13.8676(10)	13.4453(9)
c , Å	14.2870(13)	13.9166(9)
α , °	90	90
β , °	90	91.480(5)
γ , °	90	90
V , Å ³	2084.9(3)	1726.55(19)
Z	4	4
D_{calc} , g/cm ³	1.225	1.244
μ (MoK α), mm ⁻¹	0.078	0.083
F(000)	816	688
All reflections / independent	8741 / 6080	15107 / 4537
$2\Theta_{\text{max}}$	60	55
R_{int}	0.049	0.086
Reflections with $F > 4\sigma(F)$	3320	2313
Parameters	270	221
$R_1[F^2 > 2\sigma(F^2)]$	0.062	0.071
wR_2	0.142	0.190
(All reflections)		
S	1.005	1.029
number CCDC	1889580	1889581