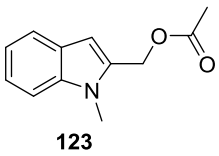
Corrigendum

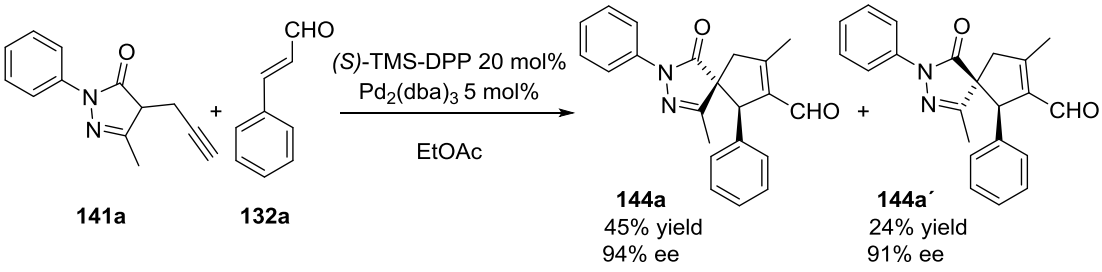
Page 30 Figure 4.



123

Figure 4: Byproduct – (1-methyl-1*H*-indol-2-yl)methyl acetate.

Page 35 Scheme 37.



141a **132a**

144a
45% yield
94% ee

144a´
24% yield
91% ee

Scheme 37: Model enantioselective spirocyclization reaction.

Page 36 Table 1.

Table 1: Metal catalyst screening.

Entry	Metal catalyst	Yield [a] 144a/144a´ (%)	Ee [b] 144a/144a´ (%)	Dr [c]
1	$FeCl_3$	-	-	-
2	AgOTf	-	-	-
3	$In(OTf)_3$	-	-	-
4	$PdCl_2$	30/5	90/85	3.6:1
5	$Pd_2(dba)_3$	45/24	94/91	2.1:1
6 [d]	$Pd(PPh_3)_4$	12/5	97/90	1.1:1
7	$Pd(OAc)_2$	44/10	93/90	1.7:1

Reaction conditions: 0.24 mmol of **141a**, 0.12 mmol of **132a**, at room temperature under argone atmosphere in 1.0 mL of EtOAc.[a] isolated yield, yield of **144a** determined by ^{1}H NMR of a mixture of **144a** with **141a.**[b]determined by chiral HPLC, [c]determined by ^{1}H NMR of crude mixture,[d]30% conversion.

Page 37 Table 2.

Table 2: Solvent screening.

Entry	Solvent	Yield [a] 144a/144a´ (%)	Ee [b] 144a/144a´ (%)	Dr [c]
1	EtOAc	45/24	94/91	2.1:1
2	DCM	56/33	93/86	1.4:1
3	$CHCl_3$	56/26	94/89	1.6:1
4 [d]	MTBE	44/19	93/88	2:1

Reaction conditions: 0.24 mmol of **141a**, 0.12 mmol of **132a,** at room temperature under argone atmosphere in 1.0 mL of solvent, [a]isolated yield, yield of **144a** determined by ^{1}H NMR of a mixture of **144a** with **141a,** [b]determined by chiral HPLC, [c]determined by ^{1}H NMR of crude mixture, [d]conversion 89%.

Page 38 Table 3.

Table 3: Concentration screening.

Entry	Concentration of 141a + 132a (M)	Conversion (%)	Yield [a] 144a/144a´ (%)	Ee [b] 144a/144a´ (%)	Dr [c]
1	0.05	90	38/20	96/93	1.7:1
2	0.1	98	53/22	96/95	1.7:1
3	0.5	100	46/26	93/91	1.6:1
4 [d]	0.1	50	16/12	93/97	2.2:1
5 [d]	0.3	100	69/26	95/95	2.2:1
6 [e]	0.36	100	45/24	94/91	2.1:1

Reaction conditions: 0.18 mmol of **141a**, 0.12 mmol of **132a**,at room temperature under argone atmosphere for 24 hours. [a]isolated yield, yield of **144a** determined by ^{1}H NMR of a mixture of **144a** with **141a**, [b]determined by chiral HPLC, [c]determined by ^{1}H NMR of crude mixture.[d]5 mol% of *(S)*-DPP-TMS, 2 mol% of $Pd_2(dba)_3$,[e]0.24 mmol of **141a**, 0.12 mmol of **132a, 144a** determined by ^{1}H NMR of mixture of **144a** and **141a**, **144a´** isolated yield

Page 40 Table 4.

Table 4: The scope of the reaction.

Entry	Enal	Time (d)	Product	Yield [a] Major/Minor (%)	Ee [b] Major/Minor (%)	Dr [c]
1	4-Methoxyphenyl	4	**144d**	55/20	91/92	2.8:1
2	4-Chlorophenyl	4	**144g**	44/24	89/91	2.3:1
3	3-Chlorophenyl	7	**144h**	46/32	91/78	2:1
4 [d]	2-Chlorophenyl	7	**144i**	27	65/90	2:1
5	4-Nitrophenyl	4	**144e**	46/21	86/53	1.4:1
6	Methyl	5	**144b**	81	82/76	2:1
7	Ethyl	1	**144c**	46	85/84	2.5:1
8 [d]	*N*-methyl-(1*H*)-indole-2-yl	7	**144j**	12	82/94	3.6:1
9	2-Pyridyl	7	**144l**	traces	-	-

Reaction conditions: 0.18 mmol of **141a**, 0.12 mmol of **132**, at room temperature under argone atmosphere in 1.0 mL of EtOAc. [a]isolated yields, [b]determined by chiral HPLC, [c]determined by ^{1}H NMR of crude mixture, [d]conversion less than 40%.

Page 41 Table 5.

Table 5: The scope of the reaction.

Entry	Enal	Conversion [a] (%)	Time (d)	Product	Yield [b] Major/Minor (%)	Ee [c] Major/Minor (%)	Dr [d]
1	Phenyl	80	7	**146a**	26/18	96/99	2.5:1
2	4-Methoxyphenyl	47	7	**146d**	21/5	98/98	2:1
3	4-Chlorophenyl	28	7	**146g**	12/5	94/98	0.9:1
4	4-Bromophenyl	63	7	**146f**	23/20	86/97	1.2:1
5	4-Nitrophenyl	20	7	**146e**	19	73/98	2:1
6	Ethyl	100	2	**146c**	48	87/94	2:1

Reaction conditions: 0.18 mmol of **141b**, 0.12 mmol of **132**, at room temperature under argone atmosphere in 1.0 mL of EtOAc. [a]determined by ^{1}H NMR of crude mixture by ratio of **146a,c-g** and **132**, [b]isolated yields, [c]determined by chiral HPLC, [d]determined by ^{1}H NMR of crude mixture

Page 44 Figure 11.

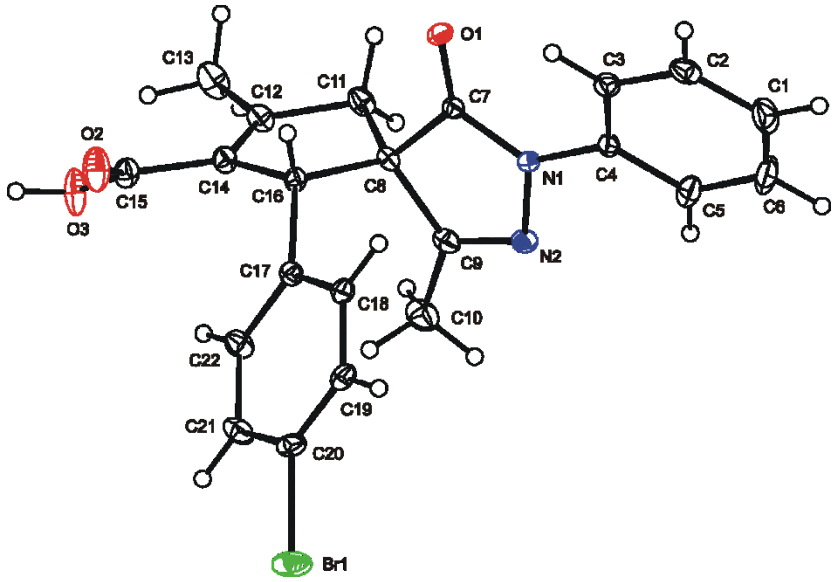


Figure 11: X-ray structure analysis of compound **155** with stereogenic centers (5*R*,6*S*).