

Correction to "Divergent Reactivity of Amino Acid Alkyl Ester Hydrochlorides with 2-Oxoaldehydes: Role of Selenium Dioxide To Promote Regioselective Synthesis of Imidazoles"

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Supporting Information

The following corrections are needed. In the Abstract and TOC graphics, the R and CO₂R' groups should be

Scheme 1

A) Curiosity-driven design

R" 1 CHO SeO₂/ pyridine R" NI ACN RO₂C₂R' (II) CO₂R' RO₂C₂C₃R' RO₂C₄R' RO₂C₅R' RO₂C₅R'

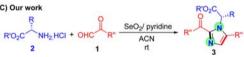


Table 2. Scope of the Reaction^a

entry	R	R'	R"	yield ^b (%)/time (h)
3a	Н	Me	Ph	67/4
3b	Н	Me	4-MePh	68/4
3c	Н	Me	3-MePh	66/4
3d	Н	Me	4-MeOPh	69/4
3e	Н	Me	4-FPh	62/4
3f	Н	Me	4-ClPh	64/4
3g	Н	Me	4-BrPh	65/4
3h	Н	Me	4-HOPh	60/4
3i	Me	Me	Ph	84/3.5
3j	benzyl	Me	Ph	83/3
3k	isobutyl	Me	Ph	81/2.5
31 ^c	ethyl(methyl)sulfane	Me	Ph	79/2.5
3m	Н	Et	4-Me	66/4
3n	Н	Et	4-F	61/4
3о	Н	Et	4-Br	60/4

^aReaction conditions: 1 (1 mmol), 2 (1.2 mmol), pyridine (1.5 mmol), selenium dioxide (1.2 mmol), and ACN (3 mL). ^bIsolated yields. ^cd-isomer.

Table 3. General Substrate Scope of the Reaction^a

R	0		MeO ₂ C
MeO ₂ C NH ₂ HCl +	OHC R"	SeO ₂ / pyridine	R" R"
MeO20 Mil2 Hol	ono n	ACN	N.
2	1	π	3

entry	R	R"	yield b (%)/ time (h)
3p	Me	3-MePh	85/3.5
3q	Me	4-MePh	86/3.5
3r	Me	4-MeOPh	88/3.5
3s	Me	4-FPh	84/3.5
3t	benzyl	4-MePh	82/3
3u	isobutyl	3-MePh	85/2.5
3v	isobutyl	4-MePh	86/2.5
3w	isobutyl	4-FPh	81/2.5
3x	isobutyl	4-ClPh	83/2.5
3 y	isobutyl	4-BrPh	82/2.5
3z	isobutyl	4-MeOPh	89/2.5
$3aa^c$	ethyl(methyl)sulfane	4-MePh	82/2.5
3ab	Н	5-methylthiophene-2-yl	64/4
3ac	Me	5-methylthiophene-2-yl	86/3
3ad	Н	4-NO ₂ Ph	0/24

^aReaction conditions: 1 (1 mmol), 2 (1.2 mmol), pyridine (1.5 mmol), selenium dioxide (1.2 mmol), and ACN (3 mL). ^bIsolated yields. ^cd-isomer.

exchanged in the upper amino acid of the structure in the bracketed intermediate " $COCH(N_1N_2)$ system and in product 3 as shown:



In Scheme 1, the R and CO_2R' groups should be exchanged in the upper amino acid of the structure in the "RCOCH(N_1N_2) system" (III) (part A) and in product 3 (part C) as shown.

In Tables 2 and 3, the groups in column 2 have been corrected. In Table 2, 3k should be isobutyl, and in Table 3, 3u-3z should be isobutyl. The corrected tables are shown.

In Scheme 3, eq (9), the dotted bond should be a wedge bond. The corrected scheme is shown.

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Organic Letters Addition/Correction

Scheme 3. Control Experiments

The product configurations for 3i-l,p-z,aa,ac in the Supporting Information are corrected. A corrected version of the Supporting Information is available with this correction.

■ ASSOCIATED CONTENT

S Supporting Information

The Supporting Information is available free of charge on the ACS Publications website at DOI: 10.1021/acs.orglett.6b00353.

Revised Supporting Information with corrected product configurations for 3i-l,p-z,aa,ac (PDF)