

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

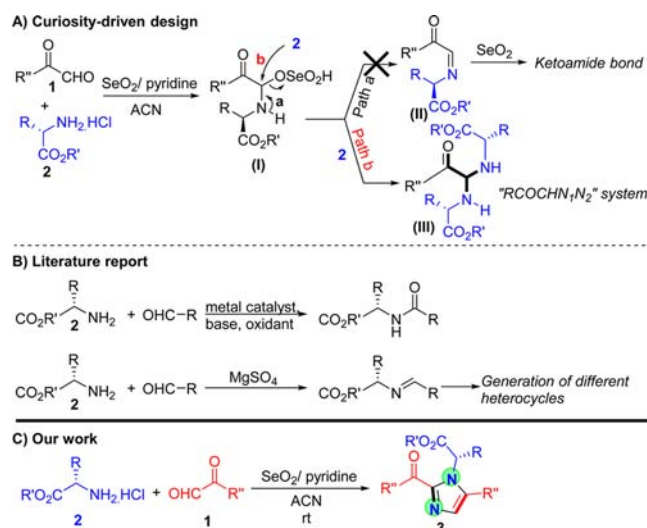


Table 2. Scope of the Reaction^a

entry	R	R'	R''	yield ^b (%) / time (h)
3a	H	Me	Ph	67/4
3b	H	Me	4-MePh	68/4
3c	H	Me	3-MePh	66/4
3d	H	Me	4-MeOPh	69/4
3e	H	Me	4-FPh	62/4
3f	H	Me	4-ClPh	64/4
3g	H	Me	4-BrPh	65/4
3h	H	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
3l ^c	ethyl(methyl)sulfane	Me	Ph	79/2.5
3m	H	Et	4-Me	66/4
3n	H	Et	4-F	61/4
3o	H	Et	4-Br	60/4

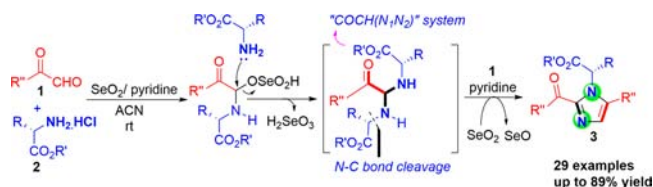
^aReaction conditions: **1** (1 mmol), **2** (1.2 mmol), pyridine (1.5 mmol), selenium dioxide (1.2 mmol), and ACN (3 mL). ^bIsolated yields. ^cd-isomer.

Table 3. General Substrate Scope of the Reaction^a

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
3y	isobutyl	4-BrPh	82/2.5
3z	isobutyl	4-MeOPh	89/2.5
3aa ^c	ethyl(methyl)sulfane	4-MePh	82/2.5
3ab	H	5-methylthiophene-2-yl	64/4
3ac	Me	5-methylthiophene-2-yl	86/3
3ad	H	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(N₁N₂)” system and in product **3** as shown:



In Scheme 1, the R and CO₂R' groups should be exchanged in the upper amino acid of the structure in the “RCOCH(N₁N₂)” system” (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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Revised Supporting Information with corrected product configurations for 3i-l,p-z,aa,ac ([PDF](#))