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Reaction (Beilstein(2008/01):Reactions:Q07 hit 1, RX.ID 99235)

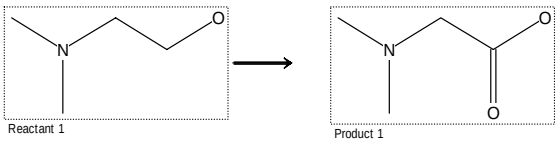
Reaction ID	99235
Reactant BRN	1209235 2-dimethylamino-ethanol
Product BRN	1700261 *N*,*N*-dimethyl-glycine
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q07 hit 1, RX.ID 99235)

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q07 hit 1, RX.ID 99235)

Reaction Classification	Preparation
Reagent	CrO_3
	H_2SO_4
	aqueous acetone
Note 1	Handbook
Ref. 1	1272511;Original Document; Journal; Olomucki; Marszak; COREAF; C. R. Hebd. Seances Acad. Sci.; 246; 1958; 1714,1716; BSCFAS; Bull. Soc. Chim. Fr.; 1959; 315,316.



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Reaction (Beilstein(2008/01):Reactions:Q07 hit 11, RX.ID 633999)

Reaction ID	633999
Reactant BRN	505944 2-amino-ethanol
Product BRN	635782 glycine
No. of Reaction Details	3
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q07 hit 11, RX.ID 633999)

Code	Field Name	Occ.
RX	Reaction Details	3

Reaction Details 1 of 3 (Beilstein(2008/01):Reactions:Q07 hit 11, RX.ID 633999)

Reaction Classification	Preparation
Reagent	concentrated aqueous KOH
Temperature	210 C
Note 1	Handbook
Ref. 1	1241050;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384818; 1941/1944.
Ref. 2	1241051;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384816; 1941/1944.
Ref. 3	1241052;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384817; 1941/1944.

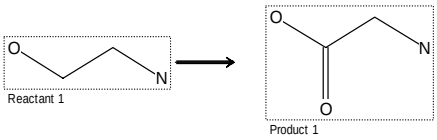
Reaction Details 2 of 3 (Beilstein(2008/01):Reactions:Q07 hit 11, RX.ID 633999)

Reaction Classification	Preparation
Reagent	aqueous KOH
	CdO
Temperature	185 C
Note 1	Handbook
Ref. 1	1241050;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384818; 1941/1944.
Ref. 2	1241051;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384816; 1941/1944.
Ref. 3	1241052;Original Document; Patent; Carbide & Carbon Chem.Corp.; US 2384817; 1941/1944.

Reaction Details 3 of 3 (Beilstein(2008/01):Reactions:Q07 hit 11, RX.ID 633999)

Reaction Classification	Preparation
Reagent	$KMnO_4$
	aqueous H_2SO_4
Temperature	<50 C
Note 1	Handbook

Ref. 1	1241047;Original Document; Patent; Billman; US 2394230; 1941.
Ref. 2	1241048;Original Document; Patent; Billman; US 2433979; 1945.
Ref. 3	1241049;Original Document; Journal; Billman; Parker; Smith; JBCHA3; J. Biol. Chem.; 180; 1949; 30.



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Reaction (Beilstein(2008/01):Reactions:Q07 hit 40, RX.ID 2193433)

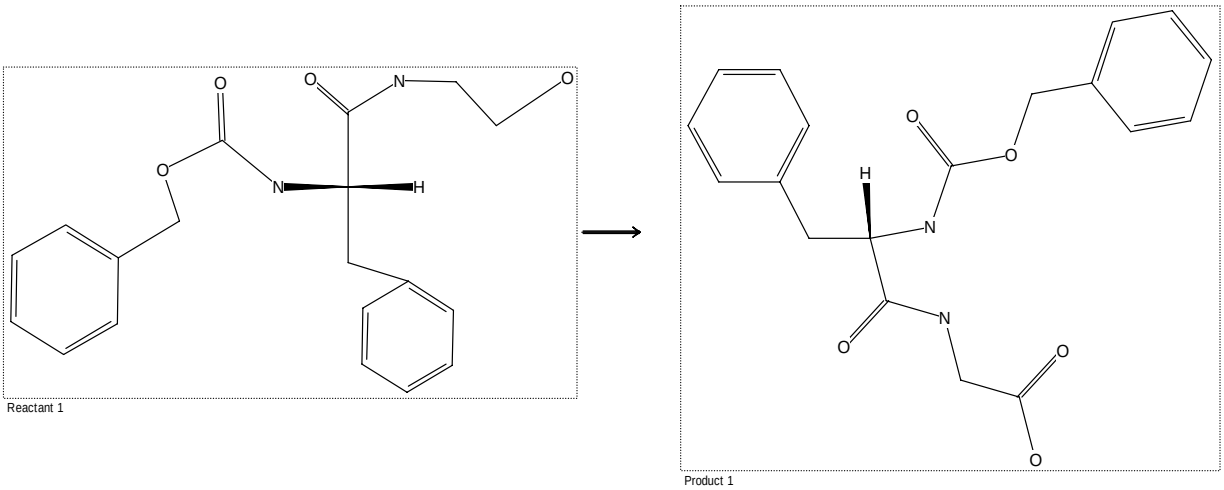
Reaction ID	2193433
Reactant BRN	3108543 N-benzyloxycarbonyl-L-phenylalanylaminoethanol
Product BRN	2822948 *N*-(*N*-benzyloxycarbonyl-L-phenylalanyl)-glycine
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q07 hit 40, RX.ID 2193433)

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q07 hit 40, RX.ID 2193433)

Reaction Classification	Preparation
Yield	99 percent (BRN=2822948)
Reagent	Jones' reagent
Ref. 1	5608989;Original Document; Journal; Kashima, Choji; Harada, Kazuo; Fujioka, Yoko; Maruyama, Tatsuya; Omote, Yoshimori; JCPRB4; J. Chem. Soc. Perkin Trans. 1; EN; 1988; 535-540.



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Reaction (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

Reaction ID	4125020

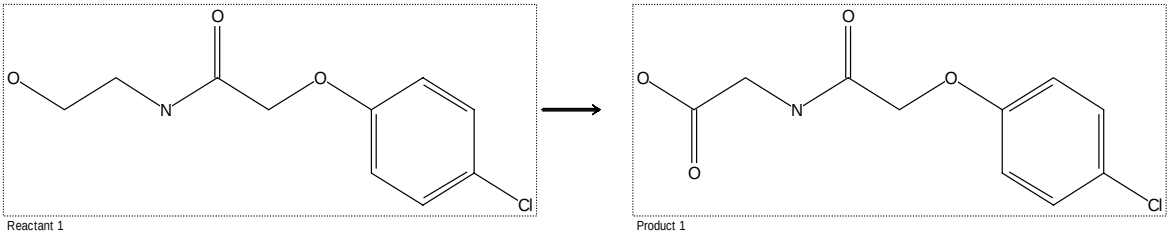
Reactant BRN	2116536 (4-chloro-phenoxy)-acetic acid-(2-hydroxy-ethylamide)
Product BRN	2381838 *N*-[(4-chloro-phenoxy)-acetyl]-glycine
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

Reaction Classification	Preparation
Reagent	$KMnO_4$, aq. KOH
Other Conditions	Ambient temperature
Ref. 1	18921;Original Document; Journal; Irino,O. et al.; CPBTAL; Chem. Pharm. Bull.; EN; 20; 1; 1972; 47-55.



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Reaction (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

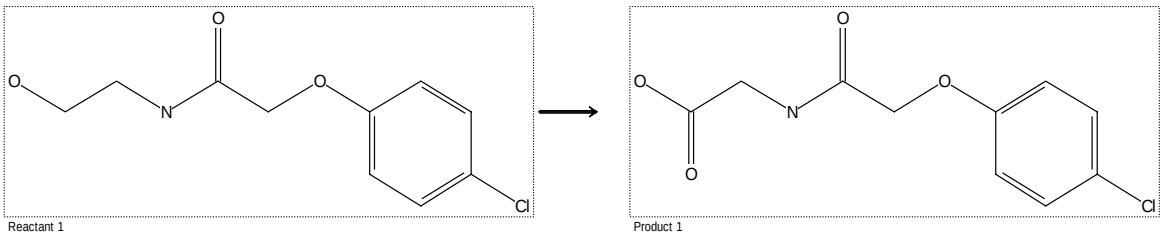
Reaction ID	4125020
Reactant BRN	2116536 (4-chloro-phenoxy)-acetic acid-(2-hydroxy-ethylamide)
Product BRN	2381838 *N*-[(4-chloro-phenoxy)-acetyl]-glycine
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q07 hit 57, RX.ID 4125020)

Reaction Classification	Preparation
Reagent	$KMnO_4$, aq. KOH
Other Conditions	Ambient temperature
Ref. 1	18921;Original Document; Journal; Irino,O. et al.; CPBTAL; Chem. Pharm. Bull.; EN; 20; 1; 1972; 47-55.



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Reaction (Beilstein(2008/01):Reactions:Q08 hit 5, RX.ID 2073982)

Reaction ID	2073982
Reactant BRN	2050891 (2-hydroxy-ethyl)-carbamic acid benzyl ester
Product BRN	526877 *N*-benzyloxycarbonyl-glycine
No. of Reaction Details	2
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q08 hit 5, RX.ID 2073982)

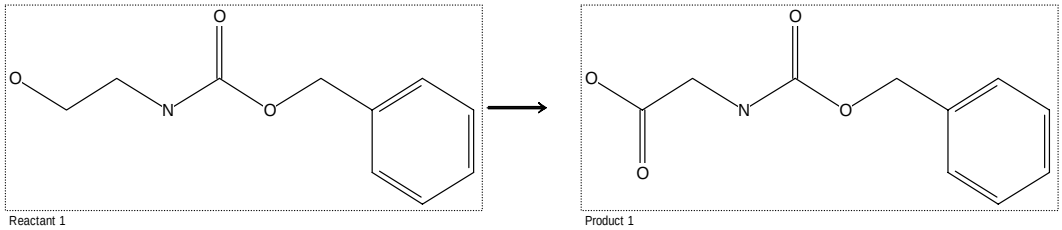
Code	Field Name	Occ.
RX	Reaction Details	2

Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q08 hit 5, RX.ID 2073982)

Reaction Classification	Preparation
Yield	85 percent (BRN=526877)
Reagent	trichloroisocyanuric acid
	2,2,6,6-tetramethyl-1-piperidinyloxy
	$NaHCO_3$
Catalyst	NaBr
Solvent	H_2O
	acetone
Time	24 hour(s)
Temperature	20 C
Ref. 1	6421604;Original Document; Journal; Luca, Lidia De; Giacomelli, Giampaolo; Masala, Simonetta; Porcheddu, Andrea; JOCEAH; J. Org. Chem.; EN; 68; 12; 2003; 4999 - 5001.

Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q08 hit 5, RX.ID 2073982)

Reaction Classification	Preparation
Yield	95 percent (BRN=526877)
Reagent	Jones' reagent
Solvent	acetone
Time	3 hour(s)
Temperature	0 C
Ref. 1	5608989;Original Document; Journal; Kashima, Choji; Harada, Kazuo; Fujioka, Yoko; Maruyama, Tatsuya; Omote, Yoshimori; JCPRB4; J. Chem. Soc. Perkin Trans. 1; EN; 1988; 535-540.



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Reaction (Beilstein(2008/01):Reactions:Q08 hit 16, RX.ID 3332918)

Reaction ID	3332918
Reactant BRN	605315 2,2'-azanediyl-bis-ethanol
Product BRN	1748914 *N*-(2-hydroxy-ethyl)-glycine
No. of Reaction Details	2
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q08 hit 16, RX.ID 3332918)

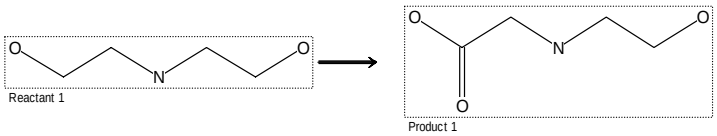
Code	Field Name	Occ.
RX	Reaction Details	2

Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q08 hit 16, RX.ID 3332918)

Reaction Classification	Chemical behaviour
Reagent	oxygen, sodium hydroxide
Catalyst	0.5percent Pd-Alumina
Solvent	H_2O
Temperature	50 C
Other Conditions	other temperature, ΔE(excit.)
Subject Studied	Thermodynamic data
	Mechanism
Ref. 1	5676143;Original Document; Journal; Khan, Muhammad Ishaq Ali; Miwa, Yoshihisa; Morita, Shushi; Okada, Jutaro; CPBTAL; Chem. Pharm. Bull.; EN; 29; 7; 1981; 1795-1801.

Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q08 hit 16, RX.ID 3332918)

Reaction Classification	Chemical behaviour
Reagent	oxygen, sodium hydroxide
Catalyst	Pd-Al_2O_3
Solvent	H_2O
Temperature	40 C
Pressure	760.0002 Torr
Other Conditions	effect of mass transfer on the global rate of reaction
Subject Studied	Mechanism
Ref. 1	5676144;Original Document; Journal; Khan, Muhammad Ishaq Ali; Miwa, Yoshihisa; Morita, Shushi; Okada, Jutaro; CPBTAL; Chem. Pharm. Bull.; EN; 29; 7; 1981; 1802-1809.


O
N
O
Reactant 1
O
N
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Product 1