

**Reaction (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Reaction ID	<a href="#">3735863</a>
Reactant BRN	<a href="#">1072101</a> oxo-phenyl-acetonitrile
	<a href="#">741855</a> 3-amino-propan-1-ol
Product BRN	<a href="#">1948994</a> 3-benzoylamino-propan-1-ol
No. of Reaction Details	4
Find similar reactions	<a href="#">click here</a>

**Field Availability List (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Code	Field Name	Occ.
RX	Reaction Details	4

**Reaction Details 1 of 4 (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Reaction Classification	Chemical behaviour
Yield	93 percent (BRN=1948994)
Solvent	CH <sub>2</sub> Cl <sub>2</sub>
Time	15 hour(s)
Other Conditions	Ambient temperature
	other aminoalcohols and polyamines
Ref. 1	<a href="#">5717643</a> ; <a href="#">Original Document</a> ; Journal; Murahashi, Shun-Ichi; Naota, Takeshi; SYNTBF; Synthesis; EN; 4; 1993; 433-440.

**Reaction Details 2 of 4 (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Reaction Classification	Preparation
Yield	93 percent (BRN=1948994)
Solvent	CH <sub>2</sub> Cl <sub>2</sub>
Time	15 hour(s)

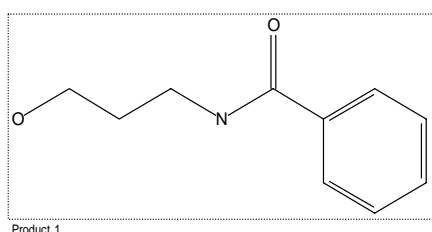
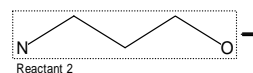
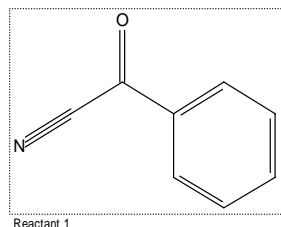
Other Conditions	Ambient temperature
Ref. 1	<a href="#">5717643;Original Document</a> ; Journal; Murahashi, Shun-Ichi; Naota, Takeshi; SYNTBF; Synthesis; EN; 4; 1993; 433-440.

**Reaction Details 3 of 4 (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Reaction Classification	Preparation
Yield	92 percent (BRN=1948994)
Solvent	CH <sub>2</sub> Cl <sub>2</sub>
Temperature	-10 C
Ref. 1	<a href="#">5544017;Original Document</a> ; Journal; Murahashi, Shun-ichi; Naota, Takeshi; Nakajima, Nobuyuki; TELEAY; Tetrahedron Lett.; EN; 26; 7; 1985; 925-928.

**Reaction Details 4 of 4 (Beilstein(2008/01):Reactions:Q03 hit 4, RX.ID [3735863](#))**

Reaction Classification	Preparation
Yield	93 percent (BRN=1948994)
Solvent	CH <sub>2</sub> Cl <sub>2</sub>
Other Conditions	Ambient temperature
Ref. 1	<a href="#">6088392;Original Document</a> ; Journal; Murahashi, S.-I.; Naota, T.; RJOCEQ; Russ. J. Org. Chem.; EN; 32; 2; 1996; 203-213; ZORKAE; Zh. Org. Khim.; RU; 32; 2; 1996; 223-232.



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### Reaction (Beilstein(2008/01):Reactions:Q05 hit 22, RX.ID [576743](#))

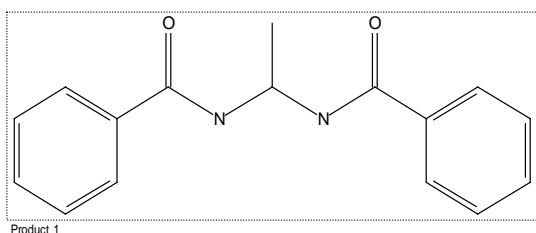
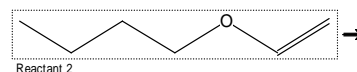
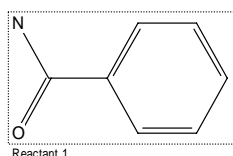
Reaction ID	<a href="#">576743</a>
Reactant BRN	<a href="#">385876</a> benzamide
	<a href="#">1560217</a> butoxyethene
Product BRN	<a href="#">2134555</a> <i>N,N</i> -ethylidene-bis-benzamide
No. of Reaction Details	1
Find similar reactions	<a href="#">click here</a>

### Field Availability List (Beilstein(2008/01):Reactions:Q05 hit 22, RX.ID [576743](#))

Code	Field Name	Occ.
RX	Reaction Details	1

### Reaction Details (Beilstein(2008/01):Reactions:Q05 hit 22, RX.ID [576743](#))

Reaction Classification	Preparation
Note 1	Handbook
Ref. 1	<a href="#">1178398;Original Document</a> ; Journal; Woronkow; ZOKHA4; Zh. Obshch. Khim.; 21; 1951; 1494,1496,1497;engl.Ausg.S.1631,1633,1634.
Ref. 2	<a href="#">1044969;Original Document</a> ; Journal; Furukawa et al.; JOCEAH; J. Org. Chem.; 23; 1958; 672,673; KGKZA7; Kogyo Kagaku Zasshi; 60; 1957; 170; Chem.Abstr.; 1959; 6202.
Ref. 3	<a href="#">2128339;Original Document</a> ; Journal; Furukawa et al.; KGKZA7; Kogyo Kagaku Zasshi; 60; 1957; 170, 173; Chem.Abstr.; 1959; 6202.



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## Reaction (Beilstein(2008/01):Reactions:Q05 hit 24, RX.ID [576777](#))

Reaction ID	<a href="#">576777</a>
Reactant BRN	<a href="#">1910871</a> 4-allyl-1,2-dimethoxy-benzene
	<a href="#">385876</a> benzamide
Product BRN	<a href="#">266462</a> 6,7-dimethoxy-3-methyl-1-phenyl-3,4-dihydro-isoquinoline

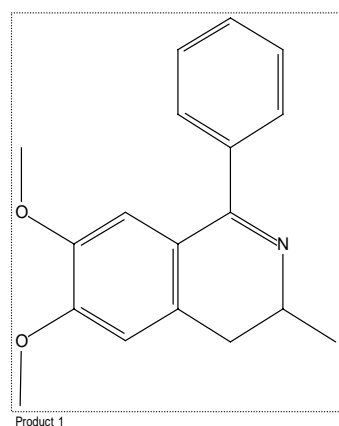
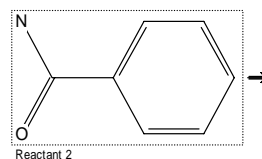
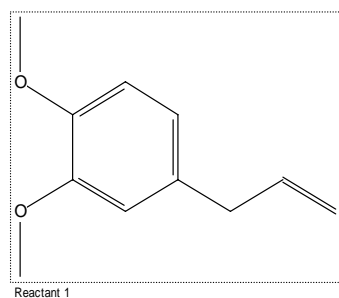
No. of Reaction Details	1
Find similar reactions	<a href="#">click here</a>

**Field Availability List (Beilstein(2008/01):Reactions:Q05 hit 24, RX.ID [576777](#))**

Code	Field Name	Occ.
RX	Reaction Details	1

**Reaction Details (Beilstein(2008/01):Reactions:Q05 hit 24, RX.ID [576777](#))**

Reaction Classification	Preparation
Reagent	phosphoryl chloride
	benzene
Note 1	Handbook
Ref. 1	<a href="#">781478;Original Document</a> ; Journal; Kametani; YKKZAJ; Yakugaku Zasshi; 73; 1953; 12, 14; Chem.Abstr.; 1953; 10539.
Ref. 2	<a href="#">781921;Original Document</a> ; Journal; Kametani; YKKZAJ; Yakugaku Zasshi; 72; 1952; 1537; Chem.Abstr.; 1953; 10538.



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### Reaction (Beilstein(2008/01):Reactions:Q05 hit 26, RX.ID [576874](#))

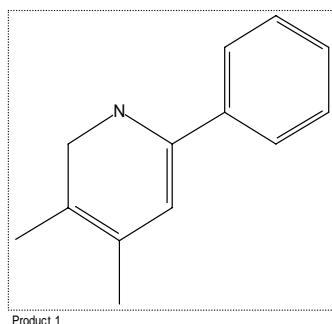
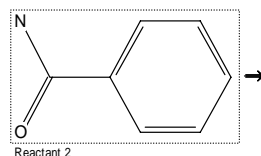
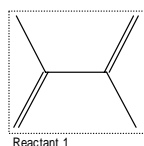
Reaction ID	<a href="#">576874</a>
Reactant BRN	<a href="#">605285</a> 2,3-dimethyl-buta-1,3-diene
	<a href="#">385876</a> benzamide
Product BRN	<a href="#">136541</a> 3,4-dimethyl-6-phenyl-1,2-dihydro-pyridine
No. of Reaction Details	1
Find similar reactions	<a href="#">click here</a>

### Field Availability List (Beilstein(2008/01):Reactions:Q05 hit 26, RX.ID [576874](#))

Code	Field Name	Occ.
RX	Reaction Details	1

### Reaction Details (Beilstein(2008/01):Reactions:Q05 hit 26, RX.ID [576874](#))

Reaction Classification	Preparation
Reagent	phosphoryl chloride
	nitrobenzene
Temperature	180 C
Note 1	Handbook
Ref. 1	<a href="#">942499;Original Document</a> ; Journal; Lora-Tamayo et al.; BSCFAS; Bull. Soc. Chim. Fr.; 1958; 1331.



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## Reaction (Beilstein(2008/01):Reactions:Q05 hit 27, RX.ID [576877](#))

Reaction ID	<a href="#">576877</a>
Reactant BRN	<a href="#">385876</a> benzamide
	<a href="#">605310</a> acrylonitrile
Product BRN	<a href="#">1971203</a> <i>N,N</i> -bis-(2-cyano-ethyl)-benzamide

No. of Reaction Details	2
Find similar reactions	<a href="#">click here</a>

**Field Availability List (Beilstein(2008/01):Reactions:Q05 hit 27, RX.ID [576877](#))**

Code	Field Name	Occ.
RX	Reaction Details	2

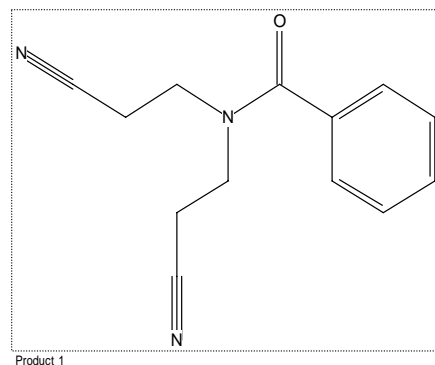
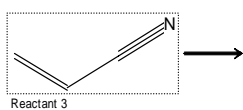
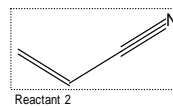
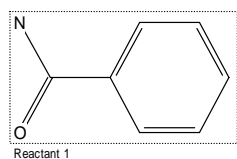
**Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q05 hit 27, RX.ID [576877](#))**

Reaction Classification	Preparation
Note 1	Handbook
Ref. 1	<a href="#">1497289;Original Document</a> ; Journal; Delaby et al.; COREAF; C. R. Hebd. Seances Acad. Sci.; 232; 1951; 1851.

**Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q05 hit 27, RX.ID [576877](#))**

Reaction Classification	Preparation
Reagent	benzyl-trimethyl-ammonium hydroxide
Note 1	Handbook
Ref. 1	<a href="#">933208;Original Document</a> ; Journal; Mariella; Jonauskas; JOCEAH; J. Org. Chem.; 23; 1958; 923.





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### Reaction (Beilstein(2008/01):Reactions:Q05 hit 41, RX.ID [907454](#))

Reaction ID	<a href="#">907454</a>
Reactant BRN	<a href="#">2045129</a> benzoylamino-methanol
	<a href="#">1098262</a> but-1-ene
Product BRN	<a href="#">1074378</a> 6-ethyl-2-phenyl-5,6-dihydro-4 <i>H</i> -[1,3]oxazine
No. of Reaction Details	2
Find similar reactions	<a href="#">click here</a>

### Field Availability List (Beilstein(2008/01):Reactions:Q05 hit 41, RX.ID [907454](#))

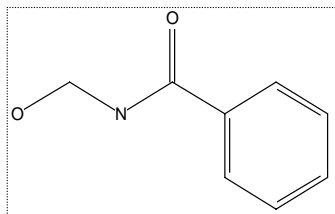
Code	Field Name	Occ.
RX	Reaction Details	2

**Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q05 hit 41, RX.ID [907454](#))**

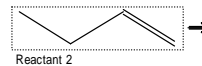
Reaction Classification	Preparation
Reagent	H <sub>2</sub> SO <sub>4</sub>
Solvent	acetic acid
Ref. 1	<a href="#">78247;Original Document</a> ; Journal; Seeliger,W.; Diepers,W.; JLACBF; Justus Liebigs Ann. Chem.; GE; 697; 1966; 171-180.

**Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q05 hit 41, RX.ID [907454](#))**

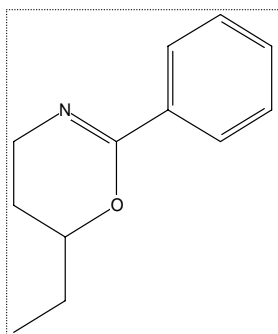
Reaction Classification	Preparation
Reagent	H <sub>2</sub> SO <sub>4</sub>
Solvent	acetic acid
Ref. 1	<a href="#">100501;Original Document</a> ; Journal; Seeliger,W. et al.; ANCEAD; Angew. Chem.; GE; 78; 20; 1966; 913-927.



Reactant 1



Reactant 2



Product 1