

**Reaction (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction ID	<a href="#">609281</a>
Reactant BRN	<a href="#">471388</a> 2-hydroxy-benzaldehyde
Product BRN	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	29
Find similar reactions	<a href="#">click here</a>

**Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Code	Field Name	Occ.
RX	Reaction Details	29

**Reaction Details 1 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	sodium amalgam
	water
Note 1	Handbook
Ref. 1	<a href="#">1523041</a> ; <a href="#">Original Document</a> ; Journal; Reinecke; Beilstein; JLACBF; Justus Liebig's Ann. Chem.; 128; 1863; 179.

**Reaction Details 2 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	copper oxide-chromium oxide
Temperature	145 - 155 C
Pressure	91938.4 Torr
Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">1260407</a> ; <a href="#">Original Document</a> ; Patent; du Post de Nemours & Co.; US 2427407.

	1934.
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**Reaction Details 3 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	sodium bicarbonate
	carbon dioxide
	mercury-cathode
Other Conditions	bei der elektrolytischen Reduktion
Note 1	Handbook
Ref. 1	<a href="#">1545533;Original Document</a> ; Journal; Shina; MSKIAS; Mem. Coll. Sci. Kyoto Imp. Univ.; <A> 11; 412; CHZEA6; Chem. Zentralbl.; GE; 99; II; 1928; 2331.

**Reaction Details 4 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	sodium amalgam
Note 1	Handbook
Ref. 1	<a href="#">1539136;Original Document</a> ; Journal; Shoesmith; JC SOA9; J. Chem. Soc.; 123; 1923; 2700.

**Reaction Details 5 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	hydrogen
	platinum black
	methanol
Temperature	20 C
Note 1	Handbook
Ref. 1	<a href="#">504722;Original Document</a> ; Journal; Vavon; COREAF; C. R. Hebd. Seances Acad. Sci.; 154; 1912; 361; ANCPAC; Ann.Chim.(Paris); <9> 1; 1914; 166.

**Reaction Details 6 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	hydrogen
	platinum black
	ethanol
Temperature	20 C
Note 1	Handbook
Ref. 1	<a href="#">504722;Original Document</a> ; Journal; Vavon; COREAF; C. R. Hebd. Seances Acad. Sci.; 154; 1912; 361; ANCPAC; Ann.Chim.(Paris); <9> 1; 1914; 166.

**Reaction Details 7 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	platinum
	iron (II)-chloride
	alcohol
Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">1067514;Original Document</a> ; Journal; Voorhees; Adams; JACSAT; J. Am. Chem. Soc.; 44; 1922; 1405.
Ref. 2	<a href="#">506776;Original Document</a> ; Journal; Carothers; Adams; JACSAT; J. Am. Chem. Soc.; 46; 1924; 1681.

**Reaction Details 8 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	nickel /kieselguhr
Temperature	75 C
Pressure	88260.9 Torr
Other Conditions	Hydrogenation

Note 1	Handbook
Ref. 1	<a href="#">1561289;Original Document</a> ; Journal; Covert; Connor; Adkins; JACSAT; J. Am. Chem. Soc.; 54; 1932; 1651, 1658.

### Reaction Details 9 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Yield	95 percent (BRN=1907195)
Reagent	nickel boride, chlorotrimethylsilane, cholestanone
Solvent	dimethylformamide
	bis-(2-methoxy-ethyl) ether
Time	1 hour(s)
Other Conditions	Ambient temperature
Ref. 1	<a href="#">5546798;Original Document</a> ; Journal; Borbaruah, M.; Barua, N. C.; Sharma, R. P.; TELEAY; Tetrahedron Lett.; EN; 28; 46; 1987; 5741-5742.

### Reaction Details 10 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Yield	85 percent Chromat (BRN=1907195)
Reagent	Al, NiCl <sub>2</sub> *6H <sub>2</sub> O
Solvent	tetrahydrofuran
Time	10 min
Ref. 1	<a href="#">5592937;Original Document</a> ; Journal; Sarmah, Bhabani K.; Barua, Nabin C.; TETRAB; Tetrahedron; EN; 47; 40; 1991; 8587-8600.

### Reaction Details 11 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Yield	15 percent Chromat (BRN=1907195)
Reagent	triethylamine, formic acid, RuCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>3</sub>

Solvent	tetrahydrofuran
Time	30 min
Other Conditions	Ambient temperature
Ref. 1	<a href="#">5552482;Original Document</a> ; Journal; Khai, Bui The; Arcelli, Antonio; TELEAY; Tetrahedron Lett.; EN; 26; 28; 1985; 3365-3368.

**Reaction Details 12 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	56 percent (BRN=1907195)
Reagent	polymer-bound NADH (2a), Mg(ClO <sub>4</sub> ) <sub>2</sub>
Solvent	acetonitrile
	benzene
Time	5 day(s)
Temperature	80 C
Note 1	Further byproducts given
Ref. 1	<a href="#">5555742;Original Document</a> ; Journal; Dupas, G.; Bourguignon, J.; Ruffin, C.; Queguiner, G.; TELEAY; Tetrahedron Lett.; EN; 23; 49; 1982; 5141-5144.

**Reaction Details 13 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	nickel /kieselguhr
Temperature	100 C
Pressure	117681.3 Torr
Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">1549281;Original Document</a> ; Journal; Adkins; Cramer; JACSAT; J. Am. Chem. Soc.; 52; 1930; 4349, 4354.

**Reaction Details 14 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	69 percent (BRN=1907195)
Reagent	sodium borohydride, alkali
Solvent	methanol
Ref. 1	<a href="#">5628365;Original Document</a> ; Journal; Kiong, Lam Soot; Tyman, John H. P.; JCPRB4; J. Chem. Soc. Perkin Trans. 1; EN; 1981; 1942-1952.

**Reaction Details 15 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	83 percent (BRN=1907195)
Reagent	H <sub>2</sub> , NaOH
Catalyst	Raney nickel
Solvent	H <sub>2</sub> O
Other Conditions	hydrogen generated in situ electrochemically on Raney nickel electrode
Ref. 1	<a href="#">5775112;Original Document</a> ; Journal; Chiba, Toshiro; Okimoto, Mitsuhiro; Nagai, Hiroshi; Takata, Yoshiyuki; BCSJA8; Bull. Chem. Soc. Jpn.; EN; 56; 3; 1983; 719-723.

**Reaction Details 16 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	71 percent (BRN=1907195)
Reagent	CoCl <sub>2</sub> *6H <sub>2</sub> O, Zn
Solvent	tetrahydrofuran
Time	2 hour(s)
Temperature	25 C
Ref. 1	<a href="#">5946844;Original Document</a> ; Journal; Goswami, Amrit; Borthakur, Naleen; IJSBDB; Indian J. Chem. Sect. B; EN; 33; 5; 1994; 495-496.

**Reaction Details 17 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	NaBH <sub>4</sub>
Ref. 1	<a href="#">6009845;Original Document</a> ; Journal; Meier, Chris; ANCEAD; Angew. Chem.; GE; 108; 1; 1996; 77-79.

**Reaction Details 18 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	NaBH <sub>4</sub>
Solvent	propan-2-ol
Ref. 1	<a href="#">6047547;Original Document</a> ; Journal; Meier, Chris; Lorey, Martina; Clercq, E. De; Balzarini, Jan; BMCLE8; Bioorg. Med. Chem. Lett.; EN; 7; 2; 1997; 99-104.

**Reaction Details 19 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	NaBH <sub>4</sub>
Note 1	Yield given
Ref. 1	<a href="#">6079570;Original Document</a> ; Journal; Meier, Chris; Lorey, Martina; Clercq, Eric De; Balzarini, Jan; NUNUD5; Nucleosides Nucleotides; EN; 16; 7-9; 1997; 1303-1306.
Ref. 2	<a href="#">6118539;Original Document</a> ; Journal; Meier, Chris; Clercq Eric De; Balzarini, Jan; EJOFCF; Eur. J. Org. Chem.; EN; 5; 1998; 837-846.

**Reaction Details 20 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	NaBH <sub>4</sub>
Solvent	propan-2-ol
Note 1	Yield given
Ref. 1	<a href="#">6079571;Original Document</a> ; Journal; Lorey, Martina; Meier, Chris; Clercq, Eric De; Balzarini, Jan; NUNUD5; Nucleosides Nucleotides; EN; 16; 7-9; 1997; 1307-1310.

**Reaction Details 21 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	40 percent (BRN=1907195)
Reagent	FeCl <sub>3</sub> , Zn
Solvent	dimethylformamide
	H <sub>2</sub> O
Time	1 hour(s)
Other Conditions	Ambient temperature
Ref. 1	<a href="#">6090652;Original Document</a> ; Journal; Sadavarte, V. S.; Swami, S. S.; Desai, D. G.; SYNCAV; Synth. Commun.; EN; 28; 7; 1998; 1139-1142.

**Reaction Details 22 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Yield	95 percent (BRN=1907195)
Reagent	benzyltriethylammonium chloride, Zn
Solvent	methanol
Time	6 hour(s)
Other Conditions	Heating
Ref. 1	<a href="#">6168799;Original Document</a> ; Journal; Kardile, G. B.; Desai, D. G.; Swami, S. S.; SYNCAV; Synth. Commun.; EN; 29; 12; 1999; 2129 - 2132.

**Reaction Details 23 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	aq.-ethanolic NaOH
	platinized Raney nickel
Other Conditions	Hydrogenation
Note 1	Handbook



Ref. 1	<a href="#">1563356;Original Document</a> ; Journal; Delepine; Horeau; BSCFAS; Bull. Soc. Chim. Fr.; <5> 4; 1937; 31, 41.
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### Reaction Details 24 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Reagent	ethanol
	platinum
Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">1585103;Original Document</a> ; Journal; Dunning; Dunning; Reid; JACSAT; J. Am. Chem. Soc.; 58; 1936; 1565, 1566.

### Reaction Details 25 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Reagent	ethanol
	platinum
	FeCl <sub>2</sub>
Pressure	22065.2 Torr
Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">1584490;Original Document</a> ; Journal; Boeseken; Gonggrijp; van Rhijn; RTCPA3; Recl. Trav. Chim. Pays-Bas; 57; 1938; 1356.

### Reaction Details 26 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))

Reaction Classification	Preparation
Reagent	ethanol
	palladium
	FeCl <sub>2</sub>

Other Conditions	Hydrogenation
Note 1	Handbook
Ref. 1	<a href="#">506775;Original Document</a> ; Journal; Shriner; Adams; JACSAT; J. Am. Chem. Soc.; 46; 1924; 1688.

**Reaction Details 27 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	nickel coated zinc-powder
	aqueous KOH
Note 1	Handbook
Ref. 1	<a href="#">1150082;Original Document</a> ; Journal; Harlay; COREAF; C. R. Hebd. Seances Acad. Sci.; 213; 1941; 304.

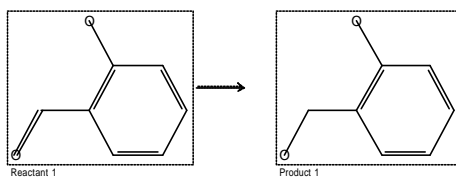
**Reaction Details 28 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	aluminium sec.-butylate
	sec.-butyl alcohol
Note 1	Handbook
Ref. 1	<a href="#">1552728;Original Document</a> ; Journal; Ferrier; COREAF; C. R. Hebd. Seances Acad. Sci.; 220; 1945; 460.

**Reaction Details 29 of 29 (Beilstein(2008/01):Reactions:Q01 hit 6, RX.ID [609281](#))**

Reaction Classification	Preparation
Reagent	aqueous formaldehyde
	fine-dispersed silver
	aqueous NaOH
Other Conditions	zuletzt bei Siedetemperatur
Note 1	Handbook

Ref. 1

[1986292;Original Document](#); Journal; Pearl; JOCEAH; J. Org. Chem.; 12; 1947; 85,88.

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**Reaction (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction ID	<a href="#">798200</a>
Reactant BRN	<a href="#">774890</a> 2-hydroxy-benzoic acid
Product BRN	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	10
Find similar reactions	not available

**Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Code	Field Name	Occ.
RX	Reaction Details	10

**Reaction Details 1 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction	Preparation
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Classification	
Yield	93 percent (BRN=1907195)
Reagent	(Py)Zn(BH <sub>4</sub> ) <sub>2</sub>
Solvent	tetrahydrofuran
Time	1.5 hour(s)
Other Conditions	Heating
Ref. 1	<a href="#">6436964;Original Document</a> ; Journal; Zeynizadeh, Behzad; Zahmatkesh, Karam; JRPSDC; J. Chem. Res. Synop.; EN; 8; 2003; 522 - 525.

**Reaction Details 2 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Ref. 1	<a href="#">6162074;Original Document</a> ; Journal; Zemlyakov, A. E.; Kur'yanov, V. O.; Sidorova, E. A.; Chirva, V. Ya.; RJBCEt; Russ.J.Bioorg.Chem.(Engl.Transl.); EN; 24; 8; 1998; 551 - 558; BIKHD7; Bioorg. Khim.; RU; 24; 8; 1998; 623 - 630.

**Reaction Details 3 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Note 1	Yield given
Ref. 1	<a href="#">6118539;Original Document</a> ; Journal; Meier, Chris; Clercq Eric De; Balzarini, Jan; EJOCFK; Eur. J. Org. Chem.; EN; 5; 1998; 837-846.

**Reaction Details 4 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Solvent	diethyl ether
Note 1	Yield given
Ref. 1	<a href="#">6070574;Original Document</a> ; Journal; Lopez, Martina; Meier, Chris; Clercq, Eric De;

	Balzarini, Jan; NUNUD5; Nucleosides Nucleotides; EN; 16; 7-9; 1997; 1307-1310.
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**Reaction Details 5 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Note 1	Yield given
Ref. 1	<a href="#">6079570;Original Document</a> ; Journal; Meier, Chris; Lorey, Martina; Clercq, Eric De; Balzarini, Jan; NUNUD5; Nucleosides Nucleotides; EN; 16; 7-9; 1997; 1303-1306.

**Reaction Details 6 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Solvent	propan-2-ol
Ref. 1	<a href="#">6047547;Original Document</a> ; Journal; Meier, Chris; Lorey, Martina; Clercq, E. De; Balzarini, Jan; BMCLE8; Bioorg. Med. Chem. Lett.; EN; 7; 2; 1997; 99-104.

**Reaction Details 7 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Ref. 1	<a href="#">6009845;Original Document</a> ; Journal; Meier, Chris; ANCEAD; Angew. Chem.; GE; 108; 1; 1996; 77-79.

**Reaction Details 8 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	1) NaBH <sub>4</sub> 2) I <sub>2</sub>
Other Conditions	1) THF, r.t. 2) THF, 1 h, r.t.
Note 1	Yield given. Multistep reaction

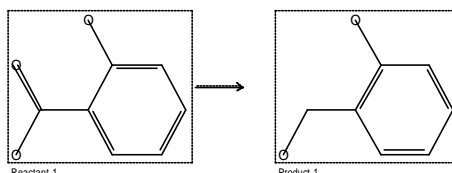
Ref. 1	<a href="#">5592873;Original Document</a> ; Journal; Kanth, J. V. Bhaskar; Periasamy, Mariappan; JOCEAH; J. Org. Chem.; EN; 56; 20; 1991; 5964-5965.
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**Reaction Details 9 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	lead electrodes
	aqueous-alcoholic sulfuric acid
Temperature	35 - 40 C
Other Conditions	bei der elektrolytischen Reduktion
Ref. 1	<a href="#">1545532;Original Document</a> ; Journal; Somlo; ZEAPAA; Z. Elektrochem. Angew. Phys. Chem.; 35; 1929; 773.

**Reaction Details 10 of 10 (Beilstein(2008/01):Reactions:Q01 hit 9, RX.ID [798200](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
	diethyl ether
Ref. 1	<a href="#">1562201;Original Document</a> ; Journal; Nystrom; Brown; JACSAT; J. Am. Chem. Soc.; 69; 1947; 2548.



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### Reaction (Beilstein(2008/01):Reactions:Q01 hit 12, RX.ID [850983](#))

Reaction ID	<a href="#">850983</a>
Reactant BRN	<a href="#">1209228</a> formaldehyde
	<a href="#">969616</a> phenol
Product BRN	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	3
Find similar reactions	<a href="#">click here</a>

### Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 12, RX.ID [850983](#))

Code	Field Name	Occ.
RX	Reaction Details	3

### Reaction Details 1 of 3 (Beilstein(2008/01):Reactions:Q01 hit 12, RX.ID [850983](#))

Reaction Classification	Preparation
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Yield	53 percent (BRN=1907195)
Reagent	H <sub>3</sub> BO <sub>3</sub>
Solvent	benzene
Time	22 hour(s)
Other Conditions	Heating
Ref. 1	<a href="#">6306218;Original Document</a> ; Journal; Belyanin, M. L.; Filimonov, V. D.; Krasnov, E. A.; RJACEO; Russ. J. Appl. Chem.; EN; 74; 1; 2001; 103 - 105; ZPKHAB; Zh.Prikl.Khim.(Leningrad); RU; 74; 1; 2001; 100 - 102.

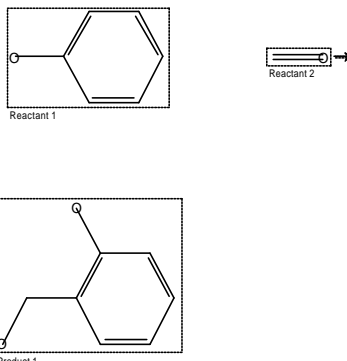
**Reaction Details 2 of 3 (Beilstein(2008/01):Reactions:Q01 hit 12, RX.ID [850983](#))**

Reaction Classification	Preparation
Reagent	zinc acetate
Ref. 1	<a href="#">1647783;Original Document</a> ; Journal; Fraser et al.; JACHAU; J. Appl. Chem.; 7; 1957; 689, 692.
Ref. 2	<a href="#">1639106;Original Document</a> ; Patent; Distillers Co.; US 2839587; 1955.

**Reaction Details 3 of 3 (Beilstein(2008/01):Reactions:Q01 hit 12, RX.ID [850983](#))**

Reaction Classification	Preparation
Reagent	cadmium formate <pH 5.6>
Ref. 1	<a href="#">1647783;Original Document</a> ; Journal; Fraser et al.; JACHAU; J. Appl. Chem.; 7; 1957; 689, 692.
Ref. 2	<a href="#">1639106;Original Document</a> ; Patent; Distillers Co.; US 2839587; 1955.





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### Reaction (Beilstein(2008/01):Reactions:Q01 hit 35, RX.ID [2703928](#))

Reaction ID	<a href="#">2703928</a>
Reactant BRN	<a href="#">1905149</a> 1-phenyl-ethanol
	<a href="#">471388</a> 2-hydroxy-benzaldehyde
Product BRN	<a href="#">605842</a> 1-phenyl-ethanone
	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	1
Find similar reactions	<a href="#">click here</a>

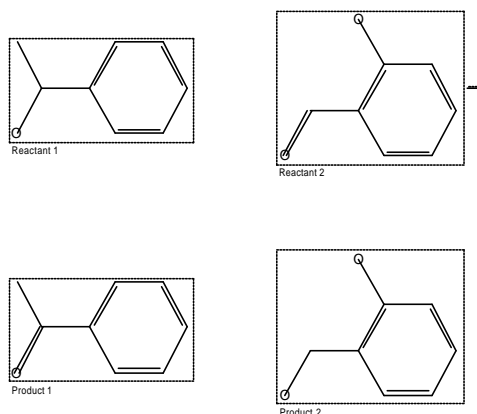
### Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 35, RX.ID [2703928](#))

Code	Field Name	Occ.
RX	Reaction Details	1

### Reaction Details (Beilstein(2008/01):Reactions:Q01 hit 35, RX.ID [2703928](#))

Reaction	Preparation
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Classification	
Yield	70 percent Chromat (BRN=1907195)
Catalyst	Sn(IV)ethoxide
Solvent	toluene
Time	20 hour(s)
Temperature	110 C
Ref. 1	<a href="#">5619815;Original Document</a> ; Journal; Casiraghi, Giovanni; Casnati, Giuseppe; Sartori, Giovanni; Zanafredi, Girolamo T.; JCPKBH; J. Chem. Soc. Perkin Trans. 2; EN; 1980; 407-411.



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## Reaction (Beilstein(2008/01):Reactions:Q01 hit 46, RX.ID [3931414](#))

Reaction ID	<a href="#">3931414</a>
Reactant BRN	<a href="#">971516</a> 2-hydroxy-benzoic acid methyl ester
Product BRN	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	2
Find similar reactions	<a href="#">click here</a>

**Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 46, RX.ID [3931414](#))**

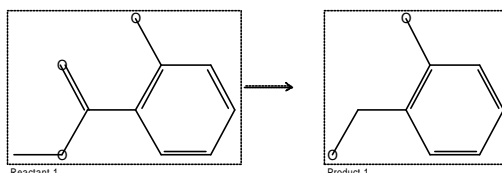
Code	Field Name	Occ.
RX	Reaction Details	2

**Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q01 hit 46, RX.ID [3931414](#))**

Reaction Classification	Preparation
Reagent	LiAlH <sub>4</sub>
Solvent	diethyl ether
Ref. 1	<a href="#">5512417;Original Document</a> ; Journal; Kraus, Rupert; Spiteller, Gerhard; PYTCAS; Phytochemistry; EN; 29; 5; 1990; 1653-1659.

**Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q01 hit 46, RX.ID [3931414](#))**

Reaction Classification	Preparation
Yield	70 percent (BRN=1907195)
Reagent	Zn(BH <sub>4</sub> ) <sub>2</sub> , cyclohexene
Solvent	tetrahydrofuran
Time	4 hour(s)
Other Conditions	Heating
Ref. 1	<a href="#">6047182;Original Document</a> ; Journal; Narasimhan, S.; Madhavan, S.; Prasad, K. Ganeshwar; SYNCAV; Synth. Commun.; EN; 27; 3; 1997; 385-390.



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### Reaction (Beilstein(2008/01):Reactions:Q01 hit 48, RX.ID [4294389](#))

Reaction ID	<a href="#">4294389</a>
Reactant BRN	<a href="#">779271</a> 2-acetoxy-benzoic acid
Product BRN	<a href="#">1907195</a> 2-hydroxymethyl-phenol
No. of Reaction Details	3
Find similar reactions	<a href="#">click here</a>

### Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 48, RX.ID [4294389](#))

Code	Field Name	Occ.
RX	Reaction Details	3

### Reaction Details 1 of 3 (Beilstein(2008/01):Reactions:Q01 hit 48, RX.ID [4294389](#))

Reaction Classification	Preparation
Yield	90 percent (BRN=1907195)

Reagent	Zr(BH <sub>4</sub> ) <sub>4</sub>
Solvent	tetrahydrofuran
Time	1 hour(s)
Temperature	25 C
Reaction Type	Reduction
Ref. 1	<a href="#">6250957;Original Document</a> ; Journal; Narasimhan, S.; Balakumar, R.; SYNCAV; Synth. Commun.; EN; 30; 23; 2000; 4387 - 4396.

### Reaction Details 2 of 3 (Beilstein(2008/01):Reactions:Q01 hit 48, RX.ID [4294389](#))

Reaction Classification	Preparation
Yield	69 percent (BRN=1907195)
Reagent	tetrabutylammonium borohydride
Solvent	CH <sub>2</sub> Cl <sub>2</sub>
Other Conditions	Heating
Reaction Type	Reduction
Ref. 1	<a href="#">6224524;Original Document</a> ; Journal; Narasimhan, S.; Swarnalakshmi, S.; Balakumar, R.; SYNCAV; Synth. Commun.; EN; 30; 5; 2000; 941 - 946.

### Reaction Details 3 of 3 (Beilstein(2008/01):Reactions:Q01 hit 48, RX.ID [4294389](#))

Reaction Classification	Preparation
Yield	85 percent (BRN=1907195)
Reagent	Zn(BH <sub>4</sub> ) <sub>2</sub>
Solvent	tetrahydrofuran
Time	3 hour(s)
Other Conditions	Heating
Ref. 1	<a href="#">5975100;Original Document</a> ; Journal; Narasimhan, S.; Madhavan, S.; Prasad, K. Ganeshwar; JOCEAH; J. Org. Chem.; EN; 60; 16; 1995; 5314-5315.

