

Reaction (Beilstein(2008/01):Reactions:Q09 hit 1, RX.ID [327058](#))

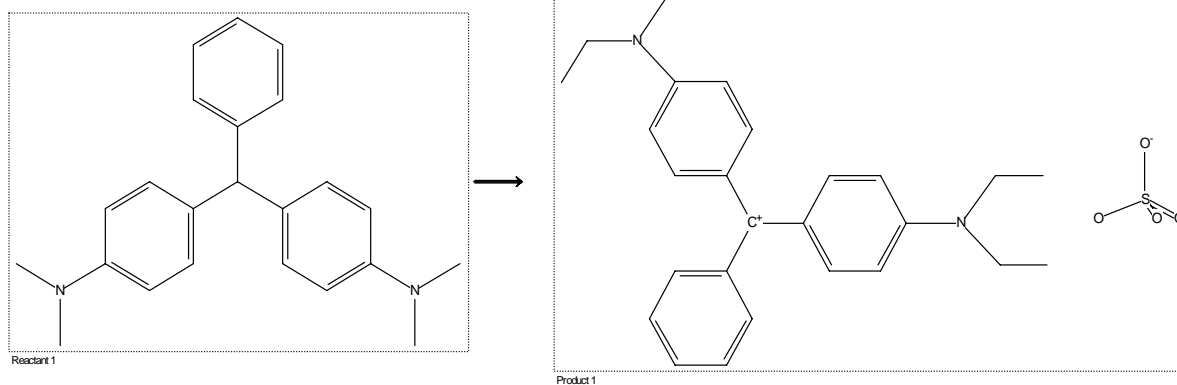
Reaction ID	327058
Reactant BRN	2140506 bis-(4-dimethylamino-phenyl)-phenyl-methane
Product BRN	3901207 4,4'-bis-diethylamino-tritylium; hydrogen sulfate
No. of Reaction Details	1
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 1, RX.ID [327058](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 1, RX.ID [327058](#))

Reaction Classification	Preparation
Reagent	lead (IV)-oxide
	hydrochloric acid
Other Conditions	Darstellung
Note 1	Handbook
Ref. 1	2239928 ; Original Document ; Book Review / Secondary Ref.; Fierz-David, H.E.; Kuenstliche organische Farbstoffe <Berlin 1926>, S.229.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 2, RX.ID [391490](#))

Reaction ID	391490
Reactant BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
Product BRN	3901207 4,4'-bis-diethylamino-tritylium; hydrogen sulfate
No. of Reaction Details	2
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 2, RX.ID [391490](#))

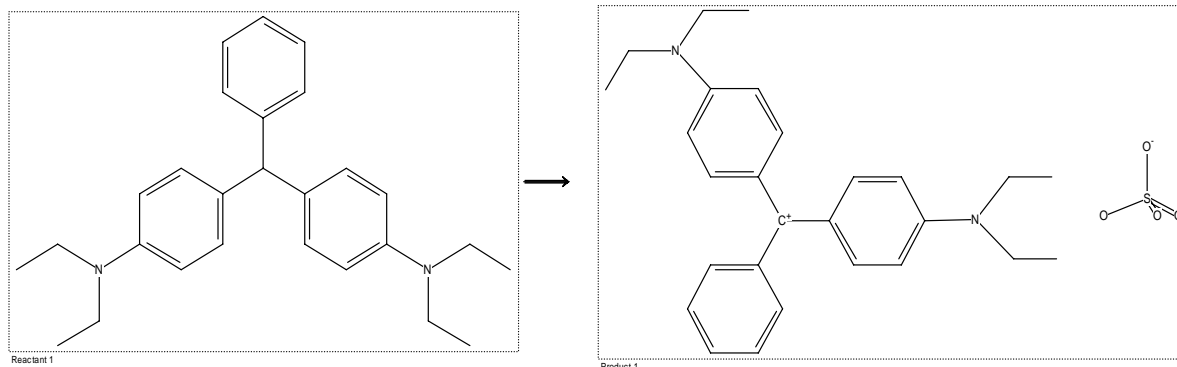
Code	Field Name	Occ.
RX	Reaction Details	2

Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q09 hit 2, RX.ID [391490](#))

Reaction Classification	Preparation
Reagent	lead dioxide
	acid
Note 1	Handbook
Ref. 1	1781237;Original Document ; Journal; Fischer,O.; CHBEAM; Chem. Ber.; 14; 1881; 2521.

Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q09 hit 2, RX.ID [391490](#))

Reaction Classification	Preparation
Reagent	manganese dioxide
	acid
Note 1	Handbook
Ref. 1	1781237;Original Document ; Journal; Fischer,O.; CHBEAM; Chem. Ber.; 14; 1881; 2521.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 3, RX.ID [582130](#))

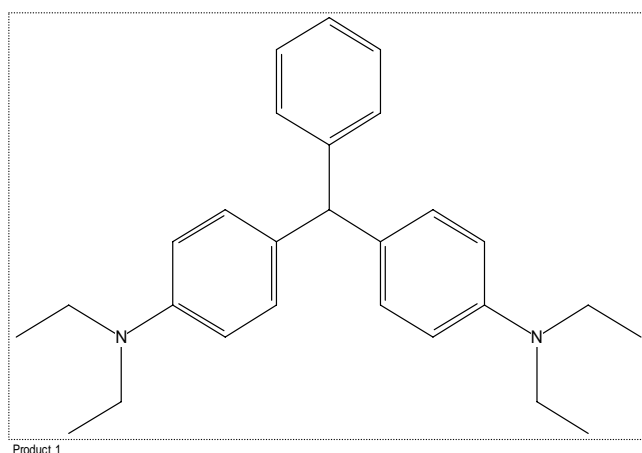
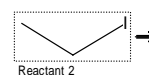
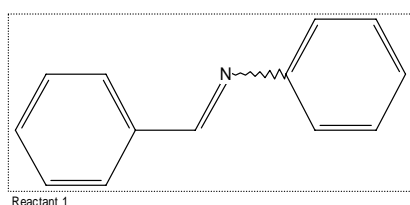
Reaction ID	582130
Reactant BRN	386547 <i>N</i> -benzylidene-aniline
	505934 iodoethane
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 3, RX.ID [582130](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 3, RX.ID [582130](#))

Reaction Classification	Preparation
Temperature	100 C
Other Conditions	Zersetzen des Reaktionsproduktes durch Kochen mit Wasser
Note 1	Handbook
Ref. 1	505688;Original Document ; Journal; Decker; Becker; JLACBF; Justus Liebigs Ann. Chem.; 395; 1913; 335; CHZEA6; Chem. Zentralbl.; GE; 85; I; 1914; 89.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 4, RX.ID [586816](#))

Reaction ID	586816
Reactant BRN	4926205 3,4-dioxo-3,4-dihydro-naphthalene-1-sulfonic acid; potassium salt
	3901207 4,4'-bis-diethylamino-tritylium; hydrogen sulfate
Product BRN	3891962 4,4'-bis-diethylamino-tritylium; salt of/the/ naphthoquinone-(1.2)-sulfonic acid-(4)
No. of Reaction	1

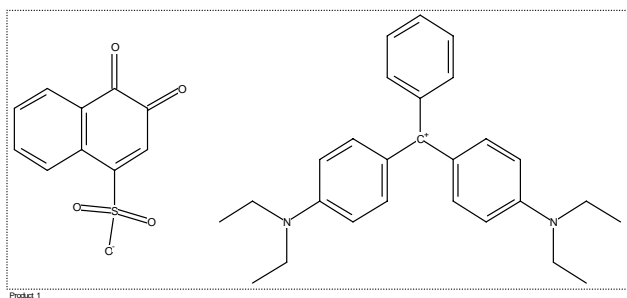
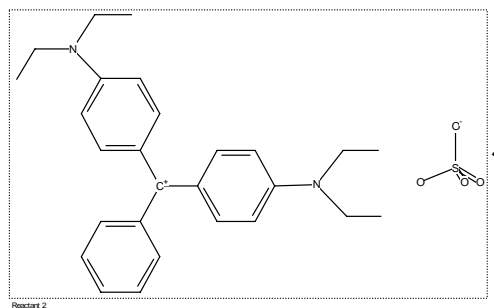
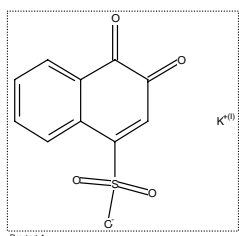
Details	
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 4, RX.ID [586816](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 4, RX.ID [586816](#))

Reaction Classification	Preparation
Reagent	water
Note 1	Handbook
Ref. 1	2231528;Original Document ; Journal; Sachs; Berthold; Zeitschr.f.Farbenindustrie; 6; 142; CHZEA6; Chem. Zentralbl.; GE; 78; I; 1907; 1749.



Reaction (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction ID	601341
Reactant BRN	471223 benzaldehyde
	742483 <i>N,N</i> -diethyl-aniline
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
No. of Reaction Details	5
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Code	Field Name	Occ.
RX	Reaction Details	5

Reaction Details 1 of 5 (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction Classification	Preparation
Reagent	ZnCl ₂
Note 1	Handbook
Ref. 1	2231538 ; Original Document ; Journal; Doebner; JLACBF; Justus Liebigs Ann. Chem.; 217; 1883; 248; CHBEAM; Chem. Ber.; 15; 1882; 237.

Reaction Details 2 of 5 (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction Classification	Preparation
Reagent	alkali disulfate
Note 1	Handbook
Ref. 1	2226494 ; Original Document ; Patent; Akt.-Ges.f.Anilinf.; DE 23775; FTFVA6; Fortschr. Teerfarbenfabr. Verw. Industriezweige; DE; GE; 1; 43.

Reaction Details 3 of 5 (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction Classification	Preparation
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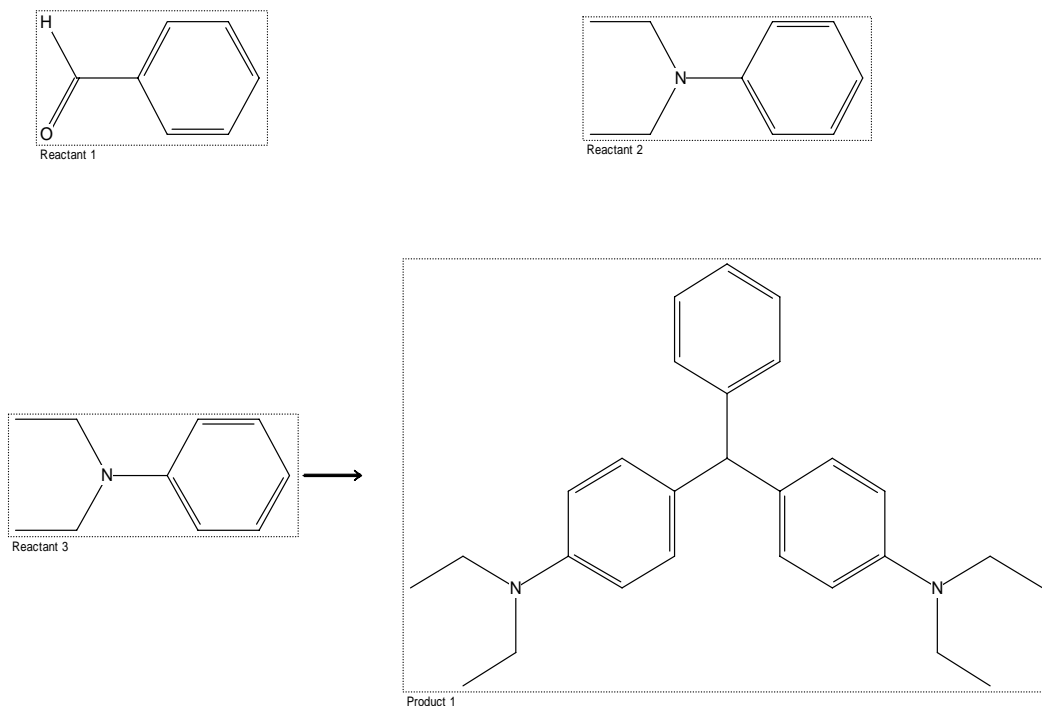
Reagent	concentrated sulfuric acid
Note 1	Handbook
Ref. 1	1900068;Original Document ; Journal; Friedlaender; Frdl.; 1; 44.

Reaction Details 4 of 5 (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction Classification	Preparation
Reagent	oxalic acid
Note 1	Handbook
Ref. 1	2226503;Original Document ; Journal; Fischer,O.; Schmidt,C.; CHBEAM; Chem. Ber.; 17; 1884; 1893 Anm..

Reaction Details 5 of 5 (Beilstein(2008/01):Reactions:Q09 hit 6, RX.ID [601341](#))

Reaction Classification	Preparation
Reagent	aqueous sulfuric acid
	urea
Note 1	Handbook
Ref. 1	2244169;Original Document ; Journal; Yoshino; Rep.Gov.chem.Ind.Res.Inst.Tokyo; 37; 1942; 95,98; Chem.Abstr.; 1948; 5887.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 7, RX.ID [666259](#))

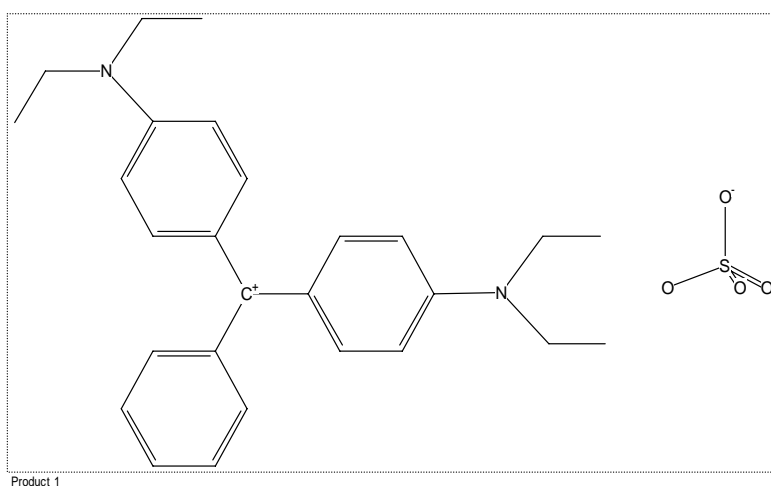
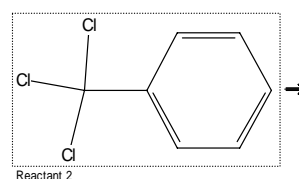
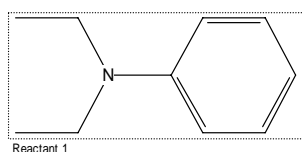
Reaction ID	666259
Reactant BRN	742483 <i>N,N</i> -diethyl-aniline
	508152 trichloromethyl-benzene
Product BRN	3901207 4,4'-bis-diethylamino-tritylium; hydrogen sulfate
No. of Reaction Details	1
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 7, RX.ID [666259](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 7, RX.ID [666259](#))

Reaction Classification	Preparation
Reagent	zinc chloride
Note 1	Handbook
Ref. 1	2231538;Original Document ; Journal; Doebner; JLACBF; Justus Liebigs Ann. Chem.; 217; 1883; 248; CHBEAM; Chem. Ber.; 15; 1882; 237.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 8, RX.ID [2690153](#))

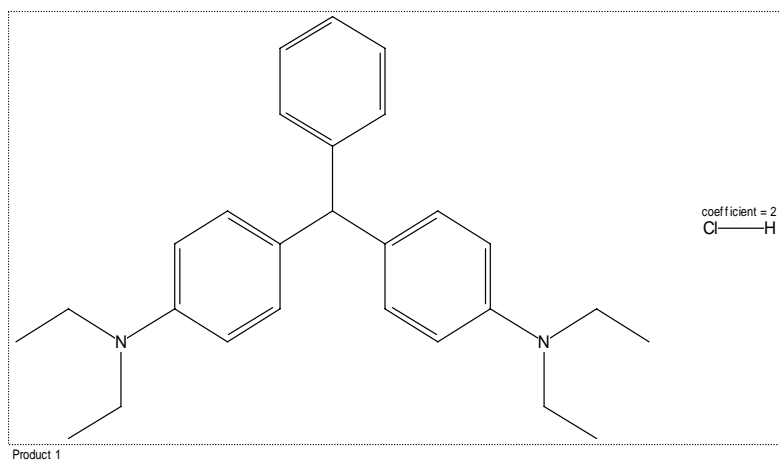
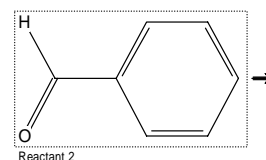
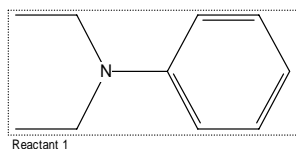
Reaction ID	2690153
Reactant BRN	742483 <i>N,N</i> -diethyl-aniline
	471223 benzaldehyde
Product BRN	5188198 C ₂₇ H ₃₄ N ₂ *2ClH
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 8, RX.ID [2690153](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 8, RX.ID [2690153](#))

Reaction Classification	Preparation
Reagent	32percent hydrochloric acid
Solvent	ethanol
Time	24 hour(s)
Other Conditions	Heating
Ref. 1	5620662;Original Document ; Journal; Fox, Brenda M.; Hepworth, John D.; Mason, Donald; Hallas, Geoffrey; JCPKBH; J. Chem. Soc. Perkin Trans. 2; EN; 1982; 987-992.



Reaction (Beilstein(2008/01):Reactions:Q09 hit 9, RX.ID [5527491](#))

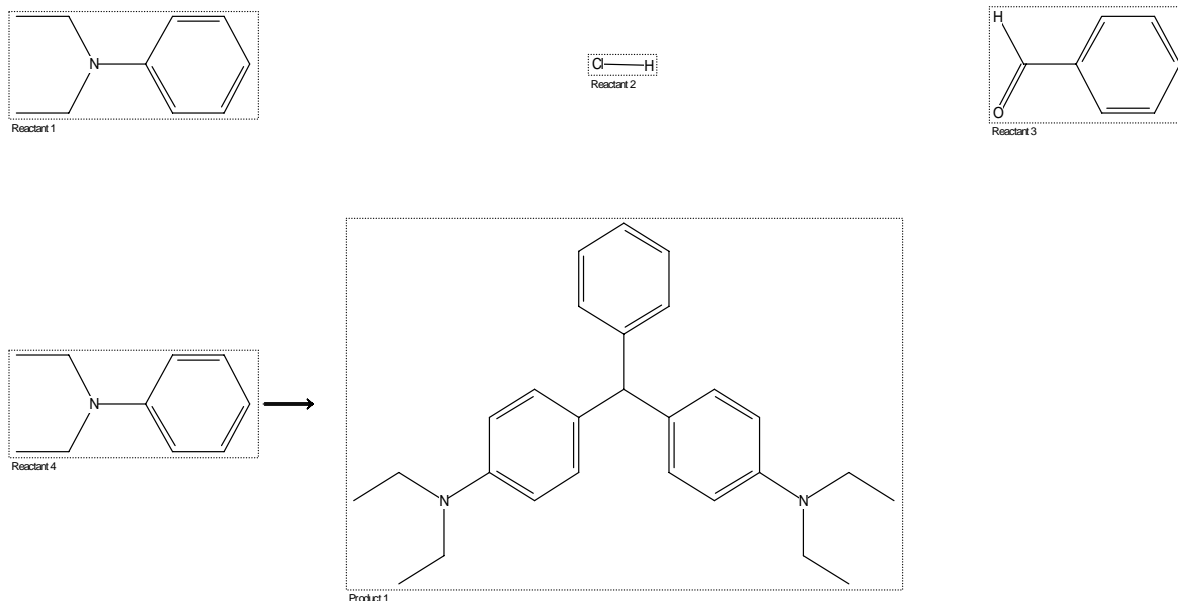
Reaction ID	5527491
Reactant BRN	742483 <i>N,N</i> -diethyl-aniline
	1098214 hydrochloric acid
	471223 benzaldehyde
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 9, RX.ID [5527491](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 9, RX.ID [5527491](#))

Reaction Classification	Chemical behaviour
Note 1	Handbook
Ref. 1	1781234 ; Original Document ; Book Review / Secondary Ref.; Schultz; Farbstofftabellen, 5. Aufl. <Berlin 1920>, S. 158.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 12, RX.ID [7761409](#))

Reaction ID	7761409
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
No. of Reaction Details	1
Find similar reactions	not available

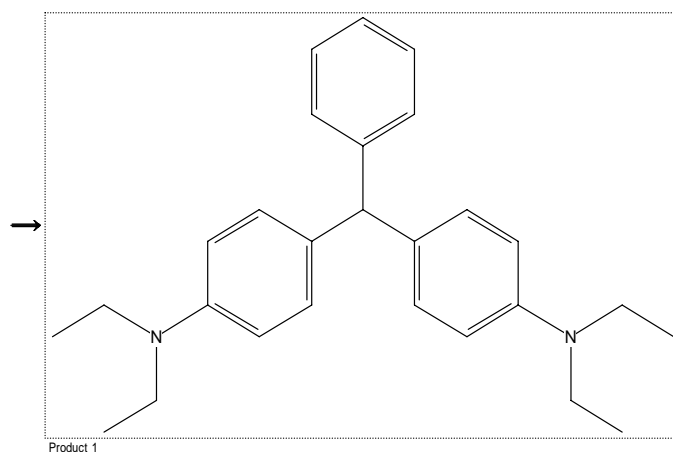
Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 12, RX.ID [7761409](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 12, RX.ID [7761409](#))

Reaction	Preparation (half reaction)
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Classification	
Ref. 1	5323099;Original Document ; Journal; Macnair; JOCEAH; J. Org. Chem.; 33; 1968; 1945.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 14, RX.ID [8566581](#))

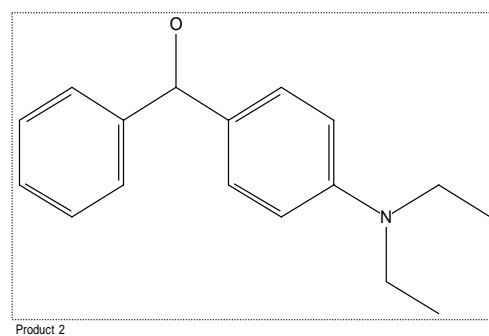
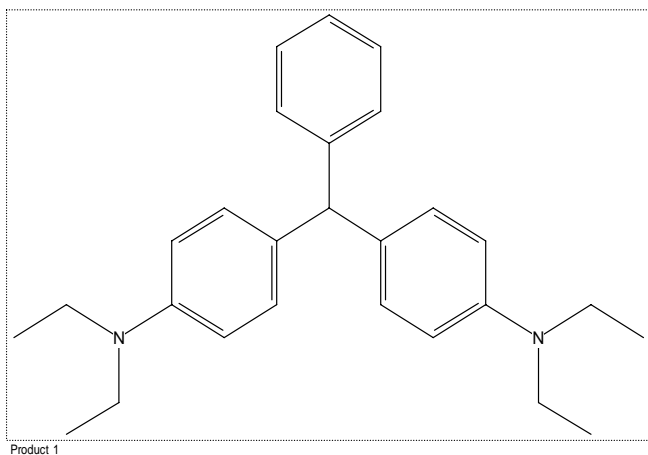
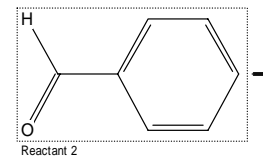
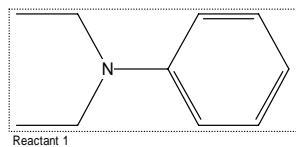
Reaction ID	8566581
Reactant BRN	742483 <i>N,N</i> -diethyl-aniline
	471223 benzaldehyde
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
	8551448 (4-diethylamino-phenyl)-phenyl-methanol
No. of Reaction Details	1
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 14, RX.ID [8566581](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 14, RX.ID [8566581](#))

Reaction Classification	Preparation
Yield	91 percent (BRN=2761458)
	12 percent (BRN=8551448)
Reagent	TiCl ₄
Solvent	CH ₂ Cl ₂
Time	8 hour(s)
Temperature	0 - 25 C
Reaction Type	Condensation
Ref. 1	6237008;Original Document ; Journal; Periasamy, Mariappan; Jayakumar, K. Natarajan; Bharathi, Pandi; JOCEAH; J. Org. Chem.; EN; 65; 11; 2000; 3548 - 3550.



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Reaction (Beilstein(2008/01):Reactions:Q09 hit 15, RX.ID [10544383](#))

Reaction ID	10544383
Reactant BRN	742483 <i>N,N</i> -diethyl-aniline
	2044501 dimethoxymethyl-benzene
Product BRN	2761458 bis-(4-diethylamino-phenyl)-phenyl-methane
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q09 hit 15, RX.ID [10544383](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q09 hit 15, RX.ID [10544383](#))

Reaction Classification	Preparation
Yield	72 percent (BRN=2761458)
Reagent	TiCl ₄
Solvent	CH ₂ Cl ₂
Time	5.5 hour(s)
Temperature	0 - 25 C
Ref. 1	6632898 ; Original Document ; Journal; Periasamy, Mariappan; Kishorebabu, Neela; Natarajan Jayakumar, K.; TELEAY; Tetrahedron Lett.; EN; 48; 11; 2007; 1955 - 1958.

