

Reaction (Beilstein(2008/01):Reactions:Q04 hit 1, RX.ID [1212906](#))

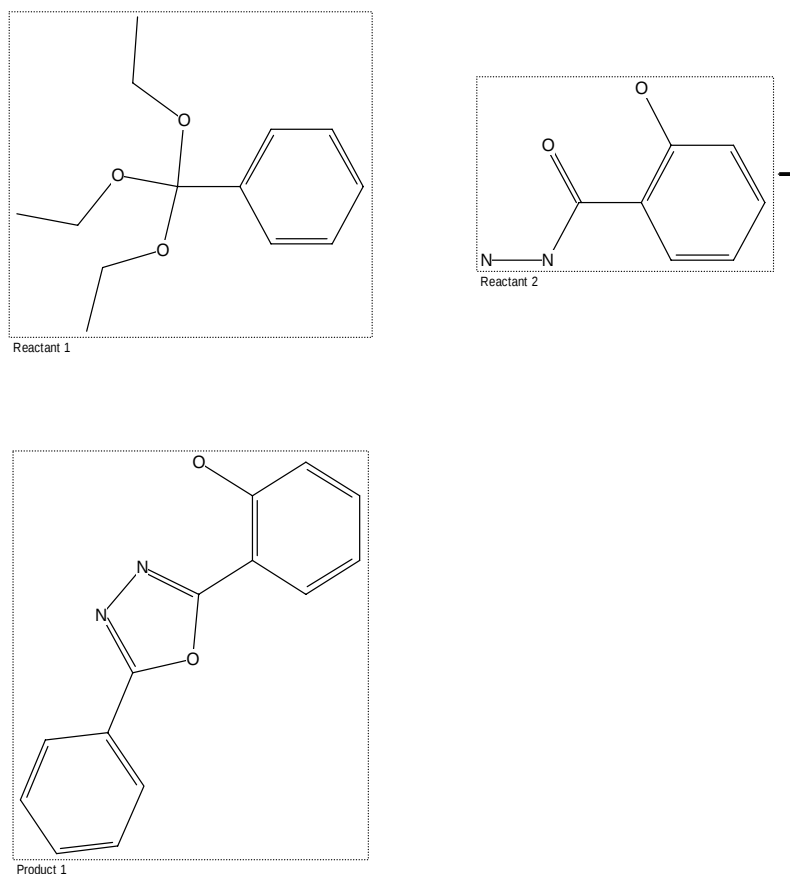
Reaction ID	1212906
Reactant BRN	645341 triethoxymethyl-benzene
	472355 2-hydroxy-benzoic acid hydrazide
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 1, RX.ID [1212906](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 1, RX.ID [1212906](#))

Reaction Classification	Preparation
Other Conditions	Heating
Ref. 1	22176;Original Document ; Journal; Russo,F.; Ghelardoni,M.; BCFAAI; Boll. Chim. Farm.; IT; 105; 1966; 911-921.



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Reaction (Beilstein(2008/01):Reactions:Q04 hit 2, RX.ID [2184087](#))

Reaction ID	2184087
Reactant BRN	2944699 2-Benzoyl-1-(o-hydroxybenzoyl)hydrazine
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	3
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 2, RX.ID [2184087](#))

Code	Field Name	Occ.
RX	Reaction Details	3

Reaction Details 1 of 3 (Beilstein(2008/01):Reactions:Q04 hit 2, RX.ID [2184087](#))

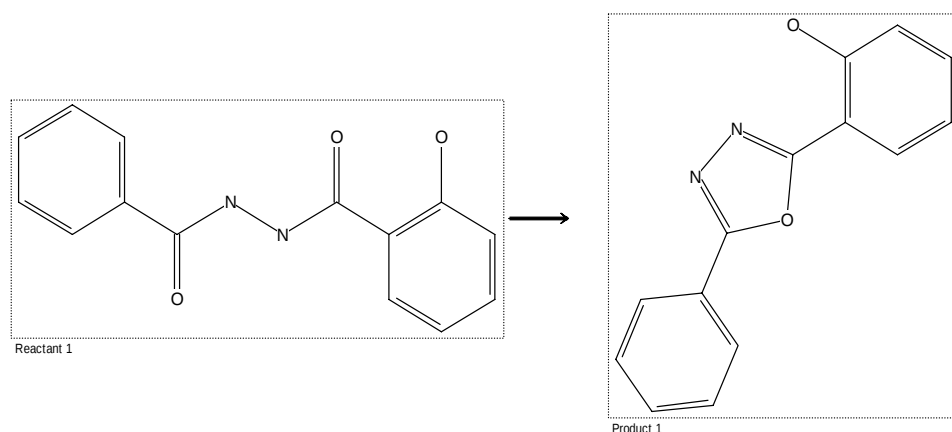
Reaction Classification	Preparation
Reagent	SOCl ₂
Time	1 hour(s)
Other Conditions	Heating
Reaction Type	Cyclization
Ref. 1	6233109;Original Document ; Journal; Doroshenko, Andrey O.; Posokhov, Eugene A.; Verezubova, Alla A.; Ptyagina, Lydia M.; JPOCEE; J. Phys. Org. Chem.; EN; 13; 5; 2000; 253 - 265.

Reaction Details 2 of 3 (Beilstein(2008/01):Reactions:Q04 hit 2, RX.ID [2184087](#))

Reaction Classification	Preparation
Yield	54 percent (BRN=528952)
Reagent	POCl ₃
Other Conditions	Heating
Ref. 1	5805349;Original Document ; Journal; Jacobsen, Noel W.; Philippides, Athena E.; AJCHAS; Aust. J. Chem.; EN; 39; 11; 1986; 1911-1914.

Reaction Details 3 of 3 (Beilstein(2008/01):Reactions:Q04 hit 2, RX.ID [2184087](#))

Reaction Classification	Preparation
Yield	67 percent (BRN=528952)
Reagent	SOCl ₂
Time	6 hour(s)
Temperature	78 C
Ref. 1	5686354;Original Document ; Journal; Tandon, S. K.; Doval, D. C.; Shanker, K.; Sinha, J. N.; PHARAT; Pharmazie; EN; 37; 5; 1982; 388-389.



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Reaction (Beilstein(2008/01):Reactions:Q04 hit 3, RX.ID [2731902](#))

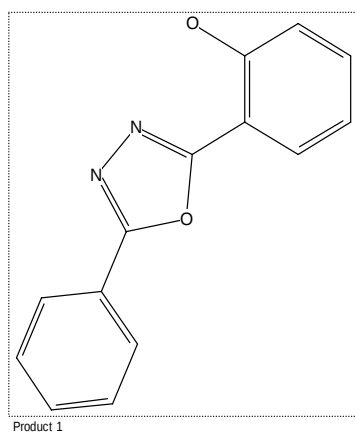
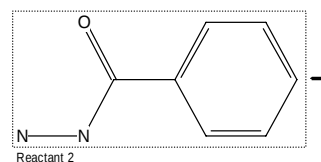
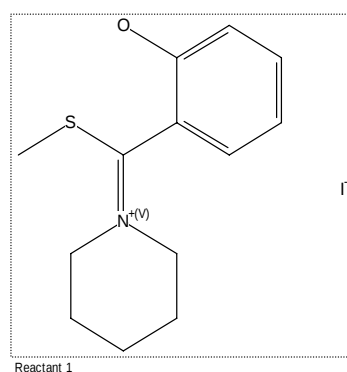
Reaction ID	2731902
Reactant BRN	5785781 1-[(2-hydroxy-phenyl)-methylsulfanyl-methylene]-piperidinium; iodide
	471797 benzoic acid hydrazide
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 3, RX.ID [2731902](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 3, RX.ID [2731902](#))

Reaction Classification	Preparation
Yield	99 percent (BRN=528952)
Solvent	pyridine
Time	16 hour(s)
Other Conditions	Ambient temperature
Ref. 1	5688464 ; Original Document ; Journal; Santus, Maria; LACHDL; Liebigs Ann. Chem.; EN; 1988; 179-182.



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Reaction (Beilstein(2008/01):Reactions:Q04 hit 6, RX.ID [3153757](#))

Reaction ID	3153757
Reactant BRN	5615951 N ² -(α -Morpholinobenzylidene)salicylohydrazide
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	2

Find similar reactions	click here
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Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 6, RX.ID [3153757](#))

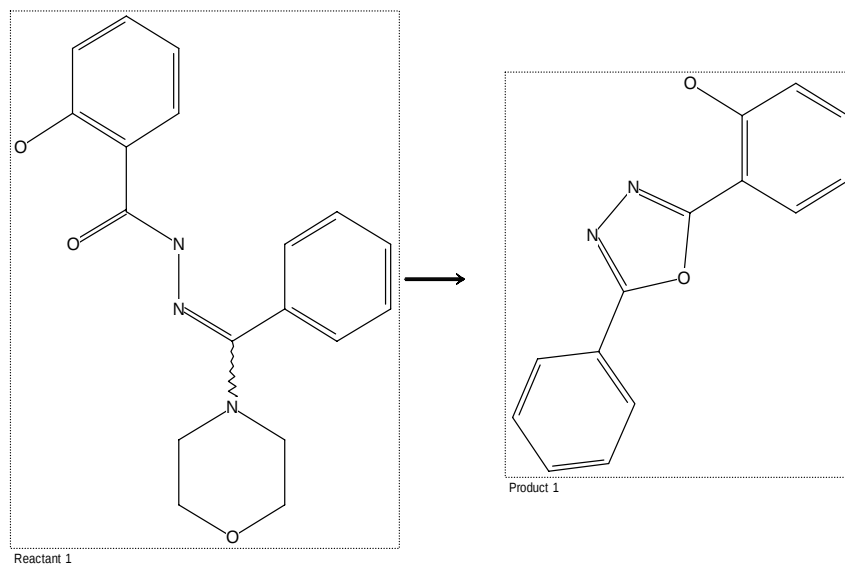
Code	Field Name	Occ.
RX	Reaction Details	2

Reaction Details 1 of 2 (Beilstein(2008/01):Reactions:Q04 hit 6, RX.ID [3153757](#))

Reaction Classification	Preparation
Reagent	CH ₃ COOH
Time	20 min
Other Conditions	Heating
Ref. 1	5688464;Original Document ; Journal; Santus, Maria; LACHDL; Liebigs Ann. Chem.; EN; 1988; 179-182.

Reaction Details 2 of 2 (Beilstein(2008/01):Reactions:Q04 hit 6, RX.ID [3153757](#))

Reaction Classification	Preparation
Temperature	180 C
Ref. 1	5688464;Original Document ; Journal; Santus, Maria; LACHDL; Liebigs Ann. Chem.; EN; 1988; 179-182.



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Reaction (Beilstein(2008/01):Reactions:Q04 hit 7, RX.ID [4085205](#))

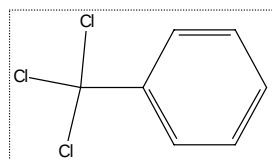
Reaction ID	4085205
Reactant BRN	508152 trichloromethyl-benzene
	472355 2-hydroxy-benzoic acid hydrazide
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 7, RX.ID [4085205](#))

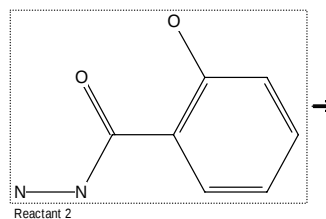
Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 7, RX.ID [4085205](#))

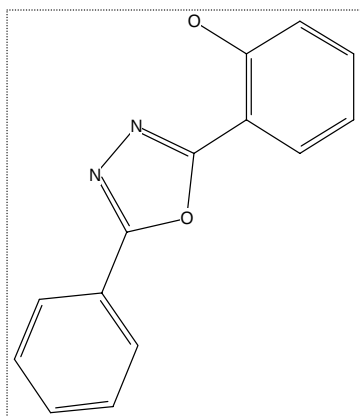
Reaction Classification	Preparation
Yield	80 percent (BRN=528952)
Reagent	pyridine
Solvent	methanol
Time	7 hour(s)
Other Conditions	Heating
Ref. 1	5948209;Original Document ; Journal; Poddubnyi, I. S.; Belen'skii, L. I.; Krayushkin, M. M.; CHCCAL; Chem.Heterocycl.Comp.d.(Engl.Transl.); EN; 30; 5; 1994; 602-607; KGSSAQ; Khim. Geterotsikl. Soedin.; RU; 5; 1994; 686-692.



Reactant 1



Reactant 2



Product 1

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Reaction (Beilstein(2008/01):Reactions:Q04 hit 8, RX.ID [5084977](#))

Reaction ID	5084977
Reactant BRN	1080257 2-(2-methoxy-phenyl)-5-phenyl-[1,3,4]oxadiazole

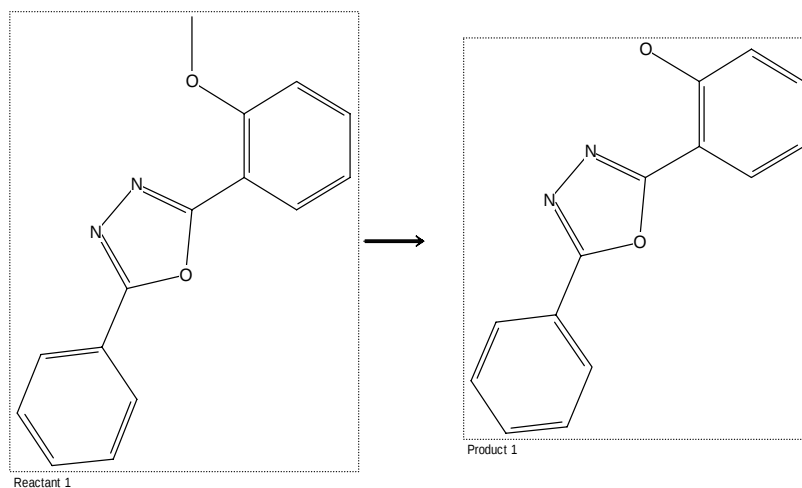
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 8, RX.ID [5084977](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 8, RX.ID [5084977](#))

Reaction Classification	Preparation
Yield	82 percent (BRN=528952)
Reagent	BBr ₃
Solvent	CH ₂ Cl ₂
Temperature	-78 - 20 C
Ref. 1	6160671 ; Original Document ; Journal; Tanaka, Hiromitsu; Tokito, Shizuo; Taga, Yasunori; Okada, Akane; JMACEP; J. Mater. Chem.; EN; 8; 9; 1998; 1999 - 2004.



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Reaction (Beilstein(2008/01):Reactions:Q04 hit 10, RX.ID [9403381](#))

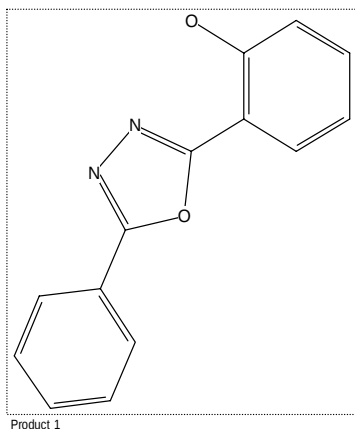
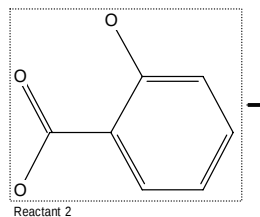
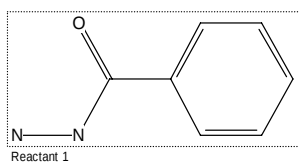
Reaction ID	9403381
Reactant BRN	471797 benzoic acid hydrazide
	774890 2-hydroxy-benzoic acid
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 10, RX.ID [9403381](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 10, RX.ID [9403381](#))

Reaction Classification	Preparation
Yield	87 percent (BRN=528952)
Reagent	hydrazine hydrate
	montmorillonite K ₁₀ clay
Solvent	ethanol
Time	2.5 min
Other Conditions	microwave irradiation
Ref. 1	6410175;Original Document ; Journal; Kidwai, M.; Mohan, R.; OPPIAK; Org. Prep. Proced. Int.; EN; 35; 4; 2003; 426 - 429.



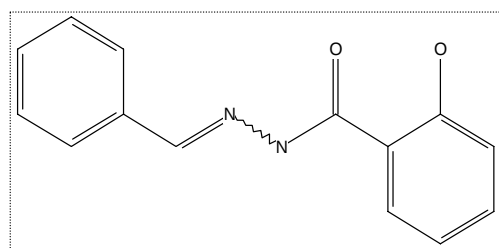
Reaction ID	9777722
Reactant BRN	1820345 salicylic acid benzylidenehydrazide
Product BRN	528952 2-(5-phenyl-[1,3,4]oxadiazol-2-yl)-phenol
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q04 hit 11, RX.ID [9777722](#))

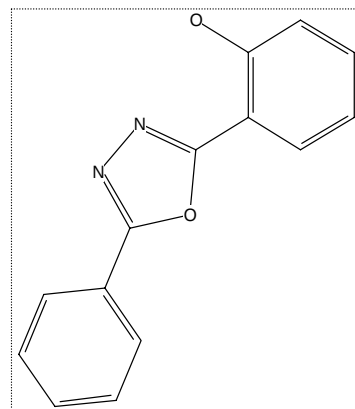
Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q04 hit 11, RX.ID [9777722](#))

Reaction Classification	Preparation
Yield	57 percent (BRN=528952)
Reagent	aq. cerium ammonium nitrate
Solvent	acetonitrile
Temperature	25 C
Ref. 1	6485316 ; Original Document ; Journal; Said, S. B.; Elagamey, A. A.; Khadr, R. E.; EGJCA3; Egypt. J. Chem.; EN; 46; 6; 2003; 881 - 888.



Reactant 1



Product 1