

Reaction (Beilstein(2008/01):Reactions:Q01 hit 3, RX.ID [851498](#))

Reaction ID	851498
Reactant BRN	1751370 malonic acid
	969616 phenol
Product BRN	1983633 malonic acid diphenyl ester
No. of Reaction Details	3
Find similar reactions	not available

Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 3, RX.ID [851498](#))

Code	Field Name	Occ.
RX	Reaction Details	3

Reaction Details 1 of 3 (Beilstein(2008/01):Reactions:Q01 hit 3, RX.ID [851498](#))

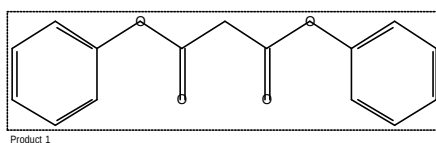
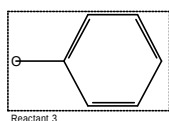
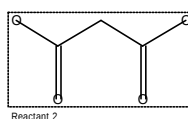
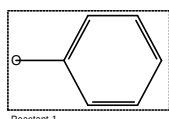
Reaction Classification	Preparation
Reagent	phosphorous oxychloride
Time	1.5 hour(s)
Temperature	115 C
Ref. 1	6579038 ; Original Document ; Journal; Chen, You-Sheng; Kuo, Pei-Yu; Shie, Tien-Lan; Yang, Ding-Yah; TETRAB; Tetrahedron; EN; 62; 40; 2006; 9410 - 9416.

Reaction Details 2 of 3 (Beilstein(2008/01):Reactions:Q01 hit 3, RX.ID [851498](#))

Reaction Classification	Preparation
Yield	98 percent (BRN=1983633)
Reagent	POCl ₃
Time	1.5 hour(s)
Temperature	115 C
Ref. 1	6277695 ; Original Document ; Journal; Ishii, Kenji; Devel, Gilbert; Mennier, Benoît

Reaction Details 3 of 3 (Beilstein(2008/01):Reactions:Q01 hit 3, RX.ID [851498](#))

Reaction Classification	Preparation
Reagent	POCl ₃
Ref. 1	1110418;Original Document ; Journal; Auger; Billy; COREAF; C. R. Hebd. Seances Acad. Sci.; 136; 1903; 556.



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Reaction (Beilstein(2008/01):Reactions:Q01 hit 1, RX.ID [851496](#))

Reaction ID	851496
Reactant BRN	969616 phenol
	1751370 malonic acid
Product BRN	129768 4-hydroxy-chromen-2-one
	215689 pyrano[3,2-c]chromene-2,4,5-trione
No. of Reaction Details	1
Find similar reactions	click here

Field Availability List (Beilstein(2008/01):Reactions:Q01 hit 1, RX.ID [851496](#))

Code	Field Name	Occ.
RX	Reaction Details	1

Reaction Details (Beilstein(2008/01):Reactions:Q01 hit 1, RX.ID [851496](#))

Reaction Classification	Preparation
Reagent	phosphoryl chloride
Temperature	100 C
Other Conditions	anschliessend Erhitzen mit Aluminiumchlorid auf 180grad
Note 1	Handbook
Ref. 1	539748;Original Document ; Journal; Ziegler et al.; MOCMB7; Monatsh. Chem.; 87; 1956; 386, 390.

