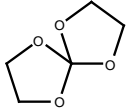
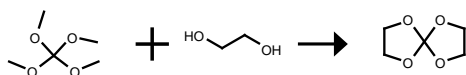
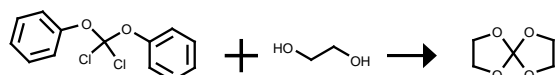


Query

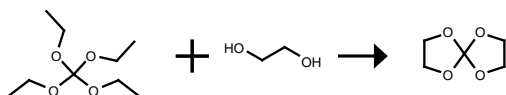
	Query	Results	Date
1. Query	 Search as: Product, As drawn, No salts, No mixtures	4 reactions	2011-12-21 00h:54m:44s (EST)


 Rx-ID: 2860474 [View in Reaxys](#)

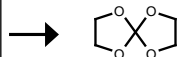
Yield	Conditions & References
78 %	With toluene-4-sulfonic acid in various solvent(s), Time= 9h, T= 110 °C Endo, Takeshi; Okawara, Makoto ; Synthesis; nb. 10; (1984); p. 837 View in Reaxys
	With toluene-4-sulfonic acid in benzene, Time= 2h, Ambient temperature Kageyama, Shunji; Tsuchiya, Tsutomu; Umezawa, Sumio; Orita, Masaya ; Bulletin of the Chemical Society of Japan; vol. 65; nb. 12; (1992); p. 3405 - 3411 View in Reaxys


 Rx-ID: 2861000 [View in Reaxys](#)

Yield	Conditions & References
75 %	With pyridine in dichloromethane, Time= 1h, T= 20 °C Mues, Peter; Buysch, Hans-Josef ; Synthesis; nb. 3; (1990); p. 249 - 252 View in Reaxys


 Rx-ID: 2860511 [View in Reaxys](#)

Yield	Conditions & References
52 %	With toluene-4-sulfonic acid, Heating Kantlehner, Willi; Maier, Thomas; Loeffler, Wolfgang; Kapassakalidis, Joanis J. ; Liebigs Annalen der Chemie; nb. 3; (1982); p. 507 - 529 View in Reaxys


 Rx-ID: 6452945 [View in Reaxys](#)

Yield	Conditions & References
	aus 1a, CS ₂ Sakai et al. ; Journal of Organic Chemistry; vol. 35; (1970); p. 2344 View in Reaxys
	Dithalliumethylenglycolat, CS ₂ Sakai et al. ; Journal of Organic Chemistry; vol. 37; (1972); p. 4198 View in Reaxys
	HO ₂ CH ₂ COONa, Cl ₃ CNO ₂ Barton et al. ; Journal of the Chemical Society, Chemical Communications; (1975); p. 432 View in Reaxys
	Ethylenglycolat I, CS ₂ Sakai, S. et al. ; Organometallics in Chemical Synthesis; vol. 1; (1970); p. 45 - 55 View in Reaxys

aus Dithalliummethylen glycolat, CS2 Sakai et al. ; Journal of Organic Chemistry; vol. 37; (1972); p. 4198 View in Reaxys
Sn-Verb. V, CS2 Sakai et al. ; Journal of the Chemical Society [Section] D: Chemical Communications; (1970); p. 235 View in Reaxys
Dialkoxid 5a, CS2 Sakai et al. ; Journal of Organic Chemistry; vol. 36; (1971); p. 1176,1178, 1179 View in Reaxys
aus HO2CH2CO2Na, Cl3CNO2 Barton et al. ; Journal of the Chemical Society, Chemical Communications; (1975); p. 432 View in Reaxys
(EtO)4C, HO-(CH2)2-OH/p-Tosyl-OH Kantlehner, W. et al. ; Synthesis; (1977); p. 73 - 90 View in Reaxys