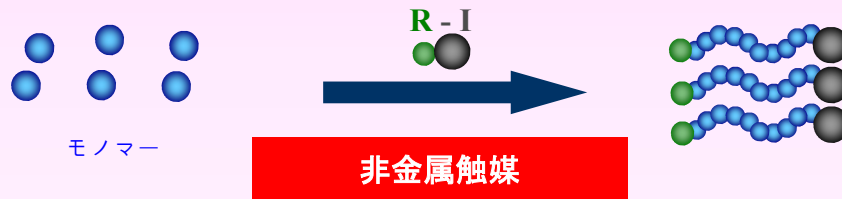


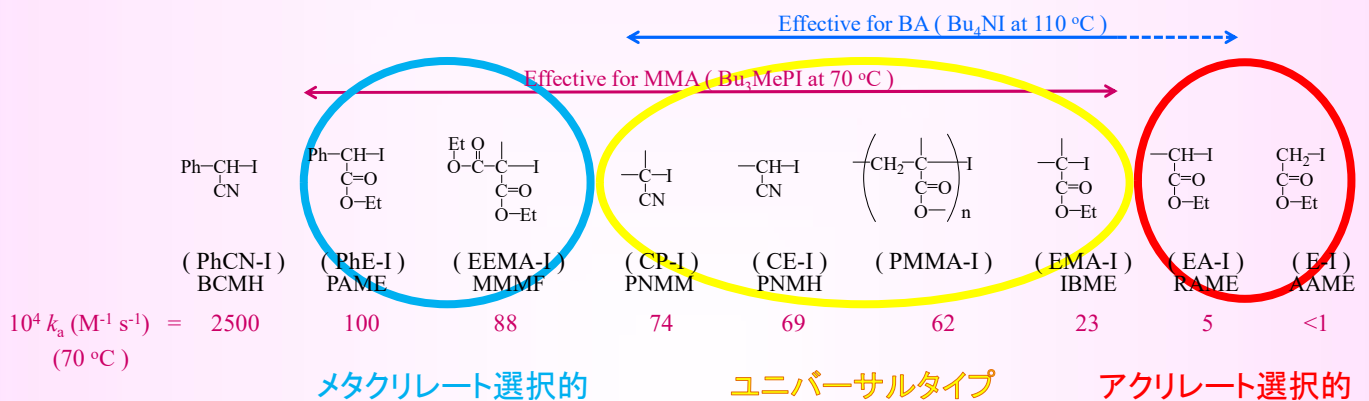
ヨウ素系重合開始剤

Iodine-Containing Initiators for Living Radical Polymerization

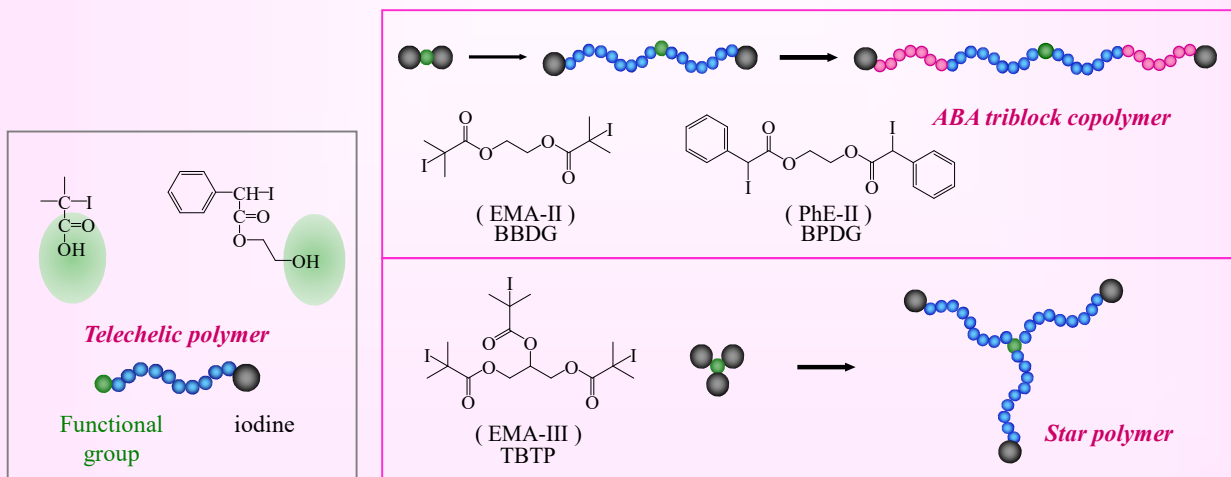
可逆配位媒介重合(RCMP)



ヨウ素化合物の構造とモノマー選択性



テレケリックポリマー、ブロックコポリマー、スターポリマーへの応用



第63回高分子学会年次大会
May 28th, 2014 IF13

【有機触媒を用いたリビングラジカル重合の休眠種開始剤の検討】

(京大化研) ○雷琳・谷嶋美保・後藤淳・梶弘典
(合同資源産業) 宮本充彦



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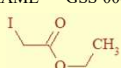
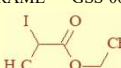
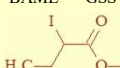
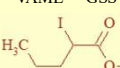
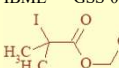
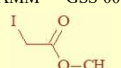
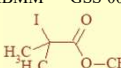
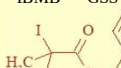
〒299-4333 千葉県長生郡長生村七井土1545-1
1545-1 Nanaido, Chosei-mura, Chosei-gun, Chiba 299-4333, JAPAN

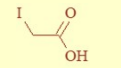
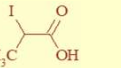
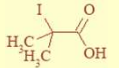
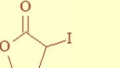
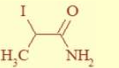
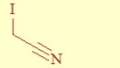
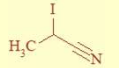
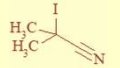
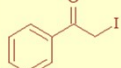
TEL 0475-32-1111 FAX 0475-32-1115
(+81-475-32-1111) (+81-475-32-1115)

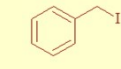
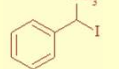
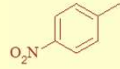
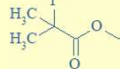
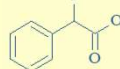
ヨウ素系重合開始剤

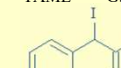
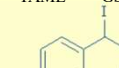

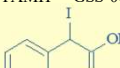
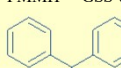
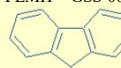
Iodine-Containing Initiators for Living Radical Polymerization

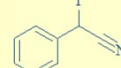
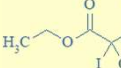
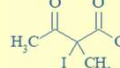
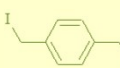
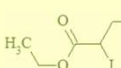
α-Iodo Esters

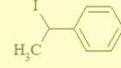
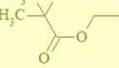
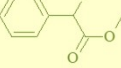
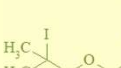

AAME GSS-0006  Ethyl 2-Iodoacetate [623-48-3] C ₄ H ₉ IO ₂ (214.00)	RAME GSS-0003  Ethyl 2-Iodopropanoate [31253-08-4] C ₅ H ₉ IO ₂ (228.03)	BAME GSS-0019  Ethyl 2-Iodobutyrate [7425-47-0] C ₆ H ₁₁ IO ₂ (242.05)	VAME GSS-0023  Ethyl 2-Iodovalerate [31253-09-5] C ₇ H ₁₃ IO ₂ (256.08)	IBME GSS-0008  Ethyl 2-Iodoisobutyrate [7425-55-0] C ₆ H ₁₁ IO ₂ (242.05)	AAMM GSS-0015  Methyl 2-Iodoacetate [5199-50-8] C ₃ H ₅ IO ₂ (199.98)	IBMM GSS-0046  Methyl 2-Iodoisobutyrate [67194-53-0] C ₅ H ₉ IO ₂ (228.03)	IBMB GSS-0030  Benzyl 2-Iodoisobutyrate [NA] C ₁₁ H ₁₃ IO ₂ (304.12)
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α-Iodo Carboxylic Acid	α-Iodo Lactones	α-Iodo Amides	α-Iodo Nitriles	α-Iodo Ketones				
AAMH GSS-0007  2-Iodoacetic Acid [64-69-7] C ₂ H ₃ IO ₂ (185.95)	RAMH GSS-0004  2-Iodopropanoic Acid [598-80-1] C ₃ H ₅ IO ₂ (199.98)	IBMH GSS-0014  2-Iodoisobutyric Acid [7425-20-9] C ₄ H ₇ IO ₂ (214.00)	BLMH GSS-0042  α-Iodo-γ-butyrolactone [31167-92-7] C ₄ H ₅ IO ₂ (211.99)	RAMA GSS-0021  2-Iodopropionamide [19221-80-8] C ₃ H ₆ INO (198.99)	ANMH GSS-0013  2-Iodoacetone [624-75-9] C ₂ H ₃ IO (166.95)	PNMH GSS-0022  2-Iodopropionitrile [104024-32-0] C ₃ H ₄ IN (180.98)	PNMM GSS-0044  2-Iodoisobutyronitrile [19481-79-9] C ₄ H ₆ NI (195.00)	APMH GSS-0031  2-Iodoacetophenone [4636-16-2] C ₈ H ₇ IO (246.05)

Benzyl Iodides			Functionalized Compounds		
BNMH GSS-0017  Benzyl Iodide [620-05-3] C ₇ H ₇ I (218.03)	EBMH GSS-0005  (1-Iodoethyl)benzene [10604-60-1] C ₈ H ₉ I (232.06)	NTMH GSS-0045  4-Nitrobenzyl Iodide [3145-86-6] C ₇ H ₆ INO ₂ (263.03)	IBMO GSS-0036  2-Hydroxyethyl 2-Iodoisobutyrate [NA] C ₆ H ₁₁ IO ₃ (258.05)	PAMO GSS-0039  2-Hydroxyethyl 2-Iodo-2-phenylacetate [NA] C ₁₀ H ₁₁ IO ₃ (306.10)	

Highly Activated Compounds					
PAME GSS-0009  Ethyl 2-Iodo-2-phenylacetate [78489-65-3] C ₁₀ H ₁₁ IO ₂ (290.10)	TAME GSS-0034  Ethyl 2-Iodo-2-(4'-methylphenyl)acetate [NA] C ₁₁ H ₁₃ IO ₂ (304.12)	NPME GSS-0026  Ethyl 2-Iodo-2-(4'-nitrophenyl)acetate [NA] C ₁₀ H ₁₀ INO ₄ (335.10)	PAMH GSS-0020  2-Iodo-2-phenylacetic Acid [615256-95-6] C ₈ H ₇ IO ₂ (262.04)	PMMH GSS-0011  Iododiphenylmethane [29704-39-0] C ₁₃ H ₁₁ I (294.13)	FLMH GSS-0012  9-Iodo-9H-fluorene [64421-01-8] C ₁₃ H ₉ I (292.12)

Highly Activated Compounds			Multi-Iodinated Compounds		
BCMH GSS-0018  α-Iodobenzyl Cyanide [63450-93-1] C ₈ H ₆ IN (243.04)	MMMF GSS-0010  Diethyl 2-Iodo-2-methylmalonate [119368-33-1] C ₈ H ₁₃ IO ₄ (300.09)	MAME GSS-0032  Ethyl 2-Iodo-2-methylacetoacetate [1005452-92-5] C ₇ H ₁₁ IO ₃ (270.06)	PXDH GSS-0001  p-Xylylene Diiodide [30362-89-1] C ₈ H ₈ I ₂ (357.96)	ADDF GSS-0016  Diethyl 2,5-Diiodoadipate [165334-67-8] C ₁₀ H ₁₆ I ₂ O ₄ (454.04)	

Multi-Iodinated Compounds				
PXDL GSS-0027  1,4-Bis(1'-iodoethyl)benzene [NA] C ₁₀ H ₁₂ I ₂ (386.01)	BBDG GSS-0024  Ethylene Glycol Bis(2-iodoisobutyrate) [NA] C ₁₀ H ₁₆ I ₂ O ₄ (454.04)	BPDG GSS-0037  Ethylene Glycol Bis(2-iodo-2-phenylacetate) [NA] C ₁₈ H ₁₆ I ₂ O ₄ (550.13)	TBTP GSS-0025  Glycerol Tris(2-iodoisobutyrate) [NA] C ₁₅ H ₂₃ I ₃ O ₆ (680.05)	MSTK GSS-0028  1,3,5-Tris(1'-iodoethyl)benzene [NA] C ₁₂ H ₁₅ I ₃ (539.96)



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