



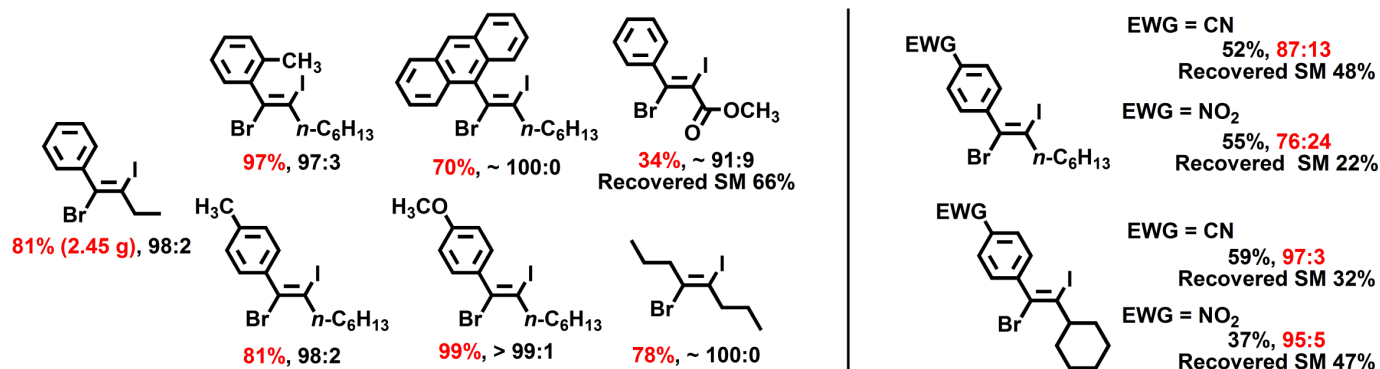
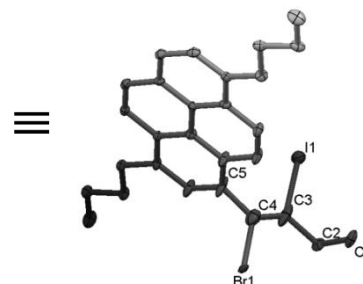
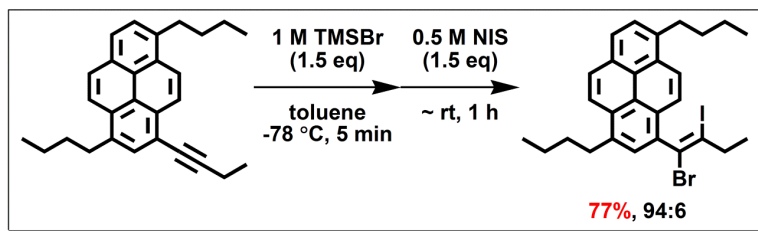
Regio- and stereoselective synthesis of (E)-1-bromo-2-iodoalkenes through iodobromination

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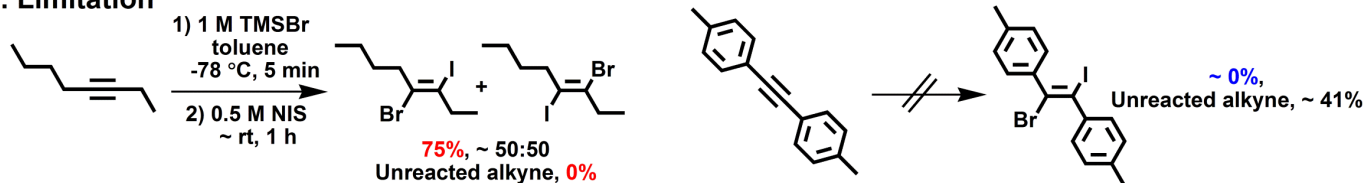
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1. Summary a) Ide, M.; Yauchi, Y.; Shiogai, R.; Iwasawa, T. *Tetrahedron* 2014, 70, 8532-8538.
b) Japanese Patent No. 2014-153644

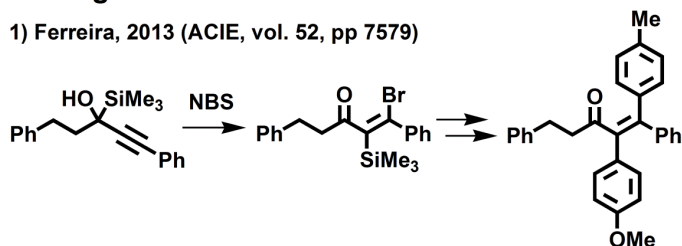


2. Limitation

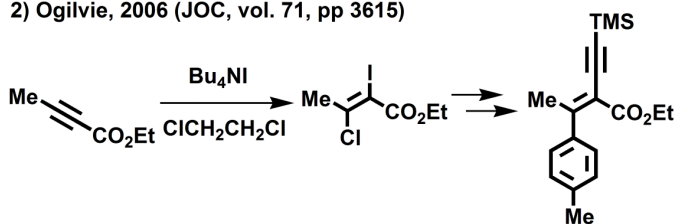


3. Background

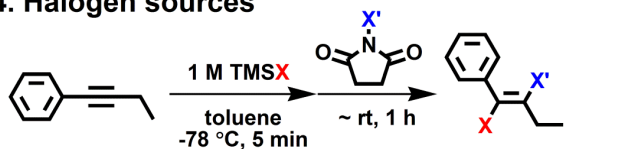
1) Ferreira, 2013 (ACIE, vol. 52, pp 7579)



2) Ogilvie, 2006 (JOC, vol. 71, pp 3615)



4. Halogen sources



X	X'	Yield (%)	Ratio	Recovered SM (%)	Product (X/X')
I	I	26	~ 100:0	60	II
I	Br	76	87:13	19	BrI
I	Cl	24	~ 100:0	32	II
Br	I	81	98:2	0	BrI
Br	Br	-	-	0	-
Br	Cl	-	-	0	-
Cl	I	30	~ 100:0	11	II
Cl	Br	-	-	0	-
Cl	Cl	-	-	0	-

5. Mechanistic aspect

