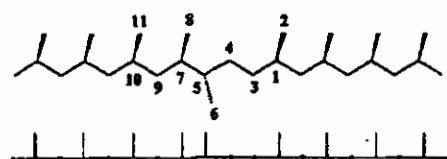
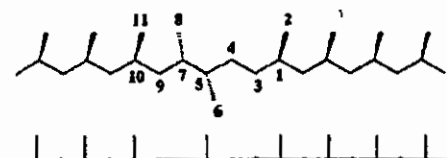


Figure 1

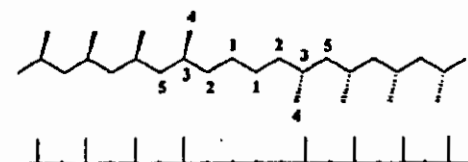
Chart 20. Chain Microstructure Defects
Generated by Isolated Secondary (2,1) Insertion:
erythro (meso), *threo (racemic)* Secondary Units
and 3,1 Unit^a



2,1-erythro (e)



2,1-threo (t)



3,1-insertion (i)

Figure 2

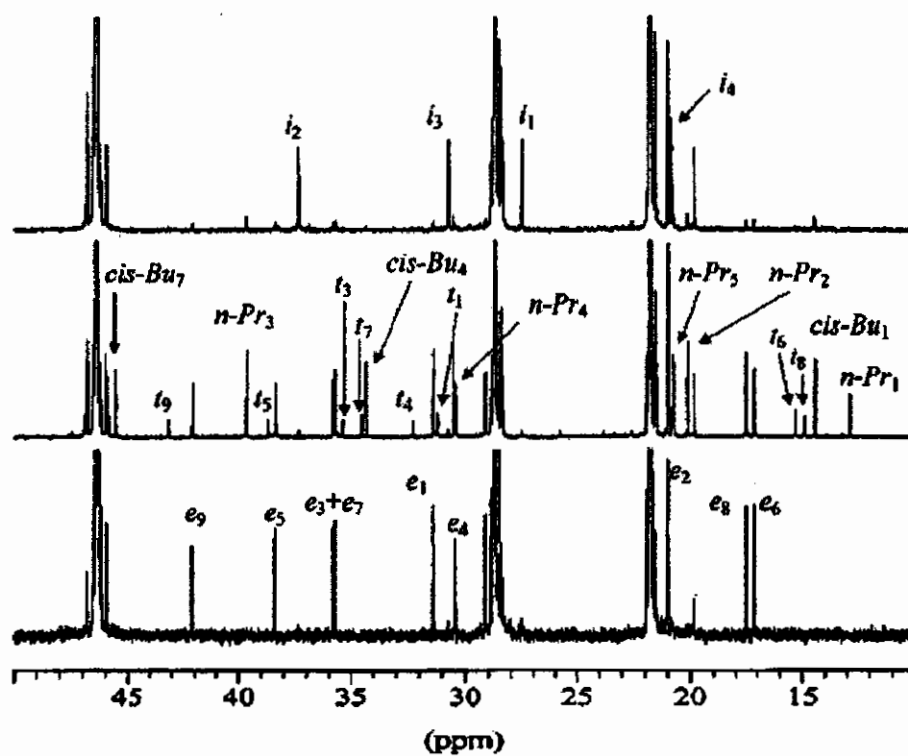
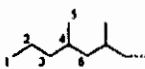
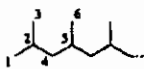
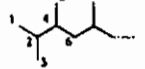
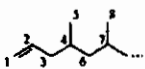
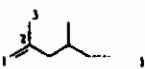
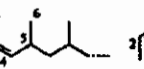
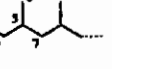


Table 2. ^{13}C NMR Chemical Shifts and Carbon Numbering of Common Polypropylene Chain End Groups

							
C	<i>n</i> -propyl	isobutyl	2,3-dimethyl-butyl	allyl	vinylidene	isobutenyl	<i>cis</i> -2-butenyl
1	14.47	22.61	17.76	115.57	111.38	18.01	12.91
2	20.12	25.79	31.93	137.67	144.87	129.23	124.48
3	39.68	23.83	20.56	41.38	22.6	25.7	129.66
4	30.50	47.50	36.47	30.80		132.30	34.37
5	20.81	?	16.30	20.64		30.61	31.37
6	45.98	21.13	43.05	45.33			?
7				?			45.54
8				21.43			