

Problem 34

Exact Mass: na

IR: neat

^1H NMR: CDCl_3

^{13}C NMR: CDCl_3

Analysis: na

Mass R/A	Mass R/A	Mass R/A	Mass R/A	Mass R/A	Mass R/A
15, 4.80	40, 4.90	57, 0.70	74, 4.50	91, 61.18	108, 7.81
16, 0.30	41, 10.01	58, 0.20	75, 3.60	92, 6.91	109, 0.50
17, 1.90	42, 1.10	59, 1.20	76, 2.60	93, 47.34	110, 0.10
18, 5.91	43, 2.60	60, 8.51	77, 61.68	94, 4.40	112, 0.10
19, 0.50	44, 0.80	61, 4.50	78, 14.61	95, 0.40	115, 0.10
20, 0.10	45, 1.20	62, 10.01	79, 65.58	96, 0.10	117, 0.10
24, 0.10	46, 0.40	63, 21.82	80, 4.40	97, 0.10	118, 0.20
25, 0.20	47, 0.40	64, 5.30	81, 0.60	98, 0.40	119, 7.11
26, 2.70	48, 0.30	65, 27.83	82, 0.10	99, 0.10	120, 3.60
27, 12.81	49, 2.60	66, 3.70	83, 0.10	100, 0.10	121, 19.62
29, 7.91	50, 18.82	67, 1.10	84, 0.30	101, 0.30	122, 81.49
30, 1.00	51, 30.13	68, 0.40	85, 1.10	102, 1.70	123, 7.21
31, 4.80	52, 8.31	69, 0.20	86, 1.90	103, 7.41	124, 0.50
36, 0.10	53, 9.11	70, 0.20	87, 1.60	104, 12.71	125, 0.10
37, 2.30	54, 0.70	71, 0.20	88, 0.50	105, 21.42	
38, 5.71	55, 2.10	72, 0.30	89, 8.41	106, 3.50	
39, 28.73	56, 0.30	73, 1.00	90, 3.90	107, 100.0	



