SUPPORTING INFORMATION

Coupling Reactions of α -(*N*-Carbamoyl)alkylcuprates with Enol Triflates derived from Cyclic β -Keto Esters: A Facile Approach to γ -Carbamoyl- α,β -Enoates

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S-2

H1	300.0590	H1	0	not used	a2pu1	S.L.-389-A	077692-089-04_01.f1d
4500.5	0	nmn	1023	0.200t used			
3.555	1.000	c	7736	3000.6	-228.3	not used	Jun 2 2001
0.2	128	---	not used			cdc13	300

S-3

C13	75.4571	H1	-485.9	65536	82pu1	S.L.-389-A	077692-089-04_02.f1d
18761.7	0	yyv	1023	2.000t used			
0.800	0.010	w	7736	18761.7	-1839.6	not used	Jun 2 2001
10.0	12268	14.9	not used			cdcl3	300

S-4

H1	300.0590	H1	0	65536	s2pu1	SJL-392-A	exp
4500.5	0	nmn	1023	not used	used		
1.998	1.000	c	7736	3000.5	-243.5	not used	Jun 14 2001
8.2	4	---	not used			cdc13	300

C13	75.4571	H1	-485.9	65536	82pu1	SuL-392-A	077692-092-04_02.f1d
16761.7	0	yy	1023	2.00 not used			
0.800	0.010	w	7736	16761.7	-1675.1	not used	Jun 14 2001
10.0	0	14.9	not used			cdcl3	300

S-6

Filename: -

H1	300.0590	H1	0	65536	s2pu1
4500.5	0	nmn	1023	not used	SJL-393-A
1.998	1.000	c	7736	3000.5	-223.9
8.2	4	---	not used	not used	cdcl3
					exp
					Jun 14 2001
					300

C13	75.4571	H1	-485.9	65536	s2pu1
18761.7	0	yy	1023	2.0 not used	S.L.-393-A
0.800	0.010	w	7736	18761.7	not used
10.0	10240	14.9	not used	-1841.9	cdcl3
					077692-093-04_02.f1d
					Jun 14 2001
					300

H1	300.0590	H1	0	not used	s2pu1
4500.5	0	nmr	1023	0.200t used	S.L.-398-A
3.555	1.000	c	7736	3000.6	077692-098-04.01.f1d
8.2	128	---	not used	-228.3	not used
					cdcl3
					300

C13	75.4571	H1	-485.9	65536	s2pu1	SJL-398-A	077692-098-04_02.f1d
18761.7	0	yyy	1023	2.000t used			
0.800	0.010	w	7736	18761.7	-1839.6	not used	Jun 27 2001
10.0	10240	14.9	not used			cdcl3	300

S-10

H1	300.0560	H1	0	65536	e2pu1
4500.5	0	nm	1023	not used	S.L.-468-A
1.998	1.000	c	200	3000.5	-220.2
8.2	4	---	not used		not used
				cdcl3	
					exp
					Dec 13 2001
					300

C13	75.4571	H1	-485.9	65536	sepul
18761.7	0	yyy	1023	2.000t used	S.L.-468-A
0.800	0.010	w	7736	18761.7	not used
10.0	10240	14.9	not used	-1840.2	cdcl3
					300

H1	300.0590	H1	0	not used	s2pu1	
4500.5	0	nmn	1023	0.200t used		S.L.-470-A
3.555	1.000	c	7736	3000.6	-228.3	not used
8.2	256	---	not used			cdcl3

076769-070-04_01.f1d
Dec 15 2001
300

C13	75.4571	H1	-485.9	65536		82pu1		
16761.7	0	yyv	1023	2.000t used			S.L.-470-A	076769-070-04_02.f1d
0.800	0.010	w	7736	16761.7	-1639.6	not used		Dec 15 2001
10.0	10240	14.9	not used			cdcl3		300

H1	300.0590	H1	0	not used	sgpu1
4500.5	0	nmn	1023	0.26 not used	SJL-466-A
3.555	1.000	c	7736	3000.6 -228.3	not used
0.2	256	---	not used	cdcl3	078769-066-04_01.f1d
					Dec 14 2001
					300

C13	75.4571	H1	-485.9	65536	s2pu1	
18761.7	0	yyv	1023	2.000t used	S.L.-485-A	078789-066-04_02.f1d
0.800	0.010	w	7736	18761.7	-1839.0	not used
10.0	10240	14.9	not used		cdcl3	Dec 14 2001
						300

S.L-90 C

EXP1 82PUL

SAMPLE

DEC. 8 VT

DATE Apr 12 1999

DIFF 300.059

SOVENT cdc13

FILE exp 0

ACQUISITION 300.059

IN HI 7735

AT 1.998

NO 17984

SW 4500.5

FO 2250

BA 15

PW 8.2

DI 1.000

TOF 0

NT 4

CT 4

LOCK not used

SEIN not used

FLABS

11 n

IN n

OP y

DISPLAY

SP -15.1

AP 3000.5

VA 560

SC 0

NC 400

Hz 7.50

18 8127.44

FFI 753.5

CFD 0

CH 141

line 18.000

nm cdc ph

13C DESSOLVE
572-906

exp1 stc13c

SAMPLE DEC. 6 VT
date Apr 12 1999 dfrq 300.059
solvent CDCl3 on H1
file exp dot -483.8
ACQUISITION
sfrq 75.458 dm yyy
tn C13 dfr 7736
at 1.706 PROCESSING 2.00
rp 80480 lb
sw 17730.6 wtfile
fd 6500 ppc not used
bm 16 ft
pw 7.8
g1 1.000 werr react
tof 839.3 wexp procdiot
nc 1024 wts
ct 144 wnt
a1ock n
gain not used
FLAGS

DISPLAY

sp -336.1
sd 17730.6
vs 18813
ac 0
wc 400
hzmm 44.33
ls 500.00
rfi 6148.1
rfd 5810.1
th 103
lms 100.000

Filename: -

13

S.J.Li (740-7473, 78769-102-01

SPH1_256 CDCl3 v s112 21

ppm

13

S.J.Li (740-7473, 78769-102-01
SPC13_4K CDCl3 v s1i2 21