

COMPOUND		IDENTITY											PURITY			
Compound, structure, or table-entry number		New	Known	Melting point range	IR	UV-Vis	1H NMR	13C NMR	1D-NOE	HR/MS	Optical rotation/ORD/CD	Enantiomeric/Diastereomeric ratio	2D-NMR	Copy of 1H/13C NMR spectrum in SI	Copy of chromatogram in SI	Elemental analysis
4-Methoxybenzylchlorid <b>S1</b>																
4-Methoxybenzyl-2,2,2-Trichloracetimidat <b>312a</b>			X				X							X		
Benzyl-2,2,2-Trichloracetimidat <b>312b</b>			X				X							X		
2-((4-Methoxybenzyl)oxy)-3-nitropyridin <b>313a</b>			X		X		X	X						X	X	
2-(Benzylxy)-3-nitropyridin <b>313b</b>			X		X		X	X						X	X	
Toluensulfonylazid <b>343</b>			X		X		X	X						X		
Diazophosphonat <b>344</b>			X		X		X	X						X		
Ethyl 2-(bis(o-tolylxy)phosphoryl)acetat <b>391</b>			X		X		X	X	X					X		
(S)-tert-Leucinol (S)- <b>356</b>			X	X	X		X	X		X				X		
(R)-Phenylglycinol (R)- <b>357</b>			X	X	X		X	X						X	X	
Dimethylmalonsäuredichlorid <b>360</b>			X		X		X	X						X		
(S,S)-tert-Butylbisamid (S,S)- <b>358</b>			X	X	X		X	X		X				X		
(R,R)-Phenylbisamid [(R,R)- <b>359</b> ]			X	X	X		X	X						X		
(4S,4'R)-2,2'-(Propan-2,2-diy)bis(4-(tert-butyl)-4,5-dihydrooxazol) [(S,S) <b>361</b> ]			X		X		X	X		X				X	X	
(4R,4'R)-2,2'-(Propan-2,2-diy)bis(4 (phenyl)-4,5-dihydrooxazol) [(R,R)- <b>362</b> ]			X		X		X	X						X	X	
Kupfer(II)chlorid-Komplex (S,S)- <b>363</b> • (CH <sub>2</sub> Cl) <sub>2</sub>	X				X	X				X						X
Kupfer(II)chlorid-Komplex (R,R)- <b>364</b>		X			X	X										
Kupfer(II)chlorid-Komplex (R,R)- <b>400</b>	X				X	X										X
[Cu{(R,R)-tert-butyl-box}(H <sub>2</sub> O) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (S,S) <b>181a</b>		X			X	X										
[Cu{(R,R)-phenyl-box}(H <sub>2</sub> O) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183a</b>		X			X	X										
[Cu{(S,S)-tert-butyl-box}(PhOH) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (S,S) <b>181b</b>	X					X										
[Cu{(S,S)-tert-butyl-box}(tfe) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (S,S) <b>181c</b>	X					X										
[Cu{(R,R)-phenyl-box}(PhOH) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183b</b>	X					X										
[Cu{(R,R)-benzyl-box}(PhOH) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>400</b>	X					X										
[Cu{(R,R)-phenyl-box}(tfe) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183c</b>	X															
[Cu{(R,R)-phenyl-box}(thf) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183d</b>	X															
[Cu{(R,R)-phenyl-box}(p-MeOPhOH) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183e</b>	X															
[Cu{(R,R)-phenyl-box}(p-NO <sub>2</sub> PhOH) <sub>2</sub> ](SbF <sub>6</sub> ) <sub>2</sub> (R,R) <b>183f</b>	X															
Iodid <b>311a</b>			X		X		X	X						X		X
PMB-Ether <b>314a</b>			X		X		X	X						X		X
Benzylether <b>314b</b>			X				X	X						X		X
PMB-Ether <b>305a</b>	X				X		X	X						X		X
Benzylether <b>305b</b>		X			X		X	X						X		
PMB-Ether <b>305c</b>		X			X		X	X						X		
Diethylmalonat <b>316a</b>	X				X		X	X						X		X
Diethylmalonat <b>316b</b>		X			X		X	X						X		X
Dimethylmalonat <b>316c</b>	X				X		X	X						X		
Phosphonat <b>337a</b>	X				X		X	X						X		X
Allylesters <b>338a</b>	X				X		X	X						X		X
Allylalkohol <b>301a</b>	X				X		X	X						X		X
Allylalkohol <b>301b</b>	X				X		X	X						X		
Säure <b>339a</b>	X				X		X	X						X		X
Methylester <b>340b</b>	X						X							X		
Alkohol <b>341</b>	X				X		X	X						X		
Aldehyd <b>299</b>	X						X	X						X		
Phosphonat <b>345a</b>	X				X		X	X						X		X
Alkohol <b>347a</b>	X				X		X	X						X		X
Aldehyd <b>300a</b>	X				X		X	X						X		X
Allylvinylother (Z)- <b>297a</b>	X				X		X	X				X		X		X
Allylvinylother (E)- <b>297a</b>	X				X		X	X				X		X		X
Weinrebamid (Z)- <b>375a</b>	X						X	X						X		
Iodid <b>311b</b>		X			X		X	X						X		X
PMB-Ether <b>305d</b>		X			X		X	X						X		X
Allylester <b>338b</b>	X				X		X	X						X		X

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Allylkohl 301c	X			X		X	X						X		X
Phosphonat 345b	X			X		X	X						X		X
Alkohol 347b	X			X		X	X						X		X
Aldehyd 300b	X			X		X	X						X		X
Allylvinylother 297b	X			X		X	X						X		X
Allylvinylother (Z)-297b	X					X							X		
Säure 376b	X		X	X		X	X						X		X
Weinrebamid 375b	X					X							X		
Weinrebamid (Z)-375b	X					X	X				X		X		
$\alpha$ -Ketoester ( $\pm$ )-307a	X					X							X		
$\alpha$ -Ketoester ( $\pm$ )-307a und ( $\pm$ )-S2	X					X	X						X		
$\alpha$ -Ketoesters (1S)-307a	X					X	X						X		
$\alpha$ -Ketoester (1S)-307a, 365 und 366	X					X							X		
$\alpha$ -Ketoester (1R)-307a	X					X							X		
$\alpha$ -Ketoester (1S)-377a	X					X							X		
$\alpha$ -Ketoester (Z)-297b	X					X							X		
$\alpha$ -Ketoester (1S)-377b	X					X	X						X		
Diester 385	X			X		X	X						X		X
Tetradecandiol 396		X	X	X		X	X		X				X		
PMB-Ether 386a		X	X	X		X	X						X		X
PMB-Ether 386b		X	X	X		X	X						X		X
PMB-Ether 386c		X	X	X		X	X						X		X
PMB-Ether 386d		X	X	X		X	X						X		X
Aldehyd 306a	X			X		X	X						X		X
Aldehyd 306b		X		X		X	X						X		X
Aldehyd 306c	X			X		X	X						X		X
Aldehyd 306d		X	X	X		X	X		X				X		
Allylester (E)-387a	X			X		X	X						X		X
Allylester (E)-387b		X		X		X	X						X		X
Allylester (Z)-387b	X					X							X		
Allylester (E)-387c		X		X		X	X						X		X
Allylester (Z)-387c	X			X		X	X						X		X
Allylester (Z)-387d	X					X							X		
Allylkohl (E)-304a	X			X		X	X						X		X
Allylkohl (E)-304b	X			X		X	X						X		X
Allylkohl (Z)-304b	X			X		X	X						X	X	X
Vinylchlorid (E)-395a	X			X		X	X						X	X	X
Allylkohl (E)-304c	X			X		X	X						X		X
Allylkohl (Z)-304c	X			X		X	X						X	X	X
Vinylchlorid (E)-395b	X			X		X	X						X	X	X
Allylkohl (Z)-304d	X		X	X		X	X						X	X	X
Vinylchlorid (E)-395c	X		X	X		X	X						X	X	X
PMB-Ether (E)-388a	X			X		X	X						X		X
PMB-Ether (E)-388b	X			X		X	X						X		X
PMB-Ether (Z)-388b	X			X		X	X						X		X
PMB-Ether (E)-388c	X			X		X	X						X		X
PMB-Ether (Z)-388c	X			X		X	X						X		X
PMB-Ether (Z)-388d	X			X		X	X						X		X
Alkohol (E)-389a	X			X		X	X						X		X
Alkohol (E)-389b	X			X		X	X						X		X
Alkohol (Z)-389b	X			X		X	X						X		X
Alkohol (E)-389c	X			X		X	X						X		X
Alkohol (Z)-389c	X			X		X	X						X		X
Alkohol (Z)-389d	X			X		X	X						X		X
Aldehyd (E)-303a	X			X		X	X						X		X
Aldehyd (E)-303b	X			X		X	X		X				X		
Aldehyd (Z)-303b	X			X		X	X						X		X
Aldehyd (E)-303c	X			X		X	X						X		X
Aldehyd (Z)-303c	X			X		X	X						X		X

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Aldehyd (Z)-303d	X			X		X	X		X				X		
Allylvinylother (Z,E)-298a	X			X		X	X	X			X	X	X	X	X
Allylvinylother (E,E)-298a	X			X		X	X	X			X	X	X	X	X
Allylvinylother (Z,E)-298b	X			X		X	X	X			X	X	X	X	X
Allylvinylother (E,E)-298b	X			X		X	X	X			X	X	X	X	X
Allylvinylother (Z,Z)-298b	X			X		X	X	X			X	X	X	X	X
Allylvinylother (E,Z)-298b	X			X		X	X	X			X	X	X	X	X
Allylvinylother (Z,E)-298c	X		X	X		X	X	X			X	X	X	X	X
Allylvinylother (E,E)-298c	X			X		X	X	X			X	X	X	X	X
Allylvinylother (Z,Z)-298c	X			X		X	X	X			X	X	X	X	X
Allylvinylother (E,Z)-298c	X		X	X		X	X	X			X	X	X	X	X
Allylvinylother (Z,Z)-298d	X			X		X	X	X			X	X	X	X	X
Allylvinylother (E,Z)-298d	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-trans-308a	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-cis-308a	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-trans-308b	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-cis-308b	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-trans-308c	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-cis-308c	X			X		X	X	X			X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-trans-308d	X			X		X	X				X	X	X	X	X
$\alpha$ -Ketoester ( $\pm$ )-cis-308d	X			X		X	X				X	X	X	X	X
$\alpha$ -Ketoester (1R,2S)-trans-308a	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2R)-trans-308b	X					X	X				X		X	X	
$\alpha$ -Ketoester (1R,2S)-trans-308b	X					X	X				X		X	X	
$\alpha$ -Ketoester (1R,2S)-trans-308c	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2S) cis-308a	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2S) cis-308b	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2R) trans-308b/(1S,2S) cis-308b/(1S)-(3E)-397b	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2R) trans 308c/(1S,2S) cis-308c/(1S)-(3E)-397c	X					X					X		X		
$\alpha$ -Ketoester (1R,2R)-cis-308b	X					X					X		X		
$\alpha$ -Ketoester (1R,2R)-cis-308d	X					X	X				X		X	X	
$\alpha$ -Ketoester (1S,2R)-trans-308d	X					X	X				X		X	X	