# Supporting information for

# Copper(II)-catalyzed enantioselective hydrosilylation of halosubstituted alkyl aryl and heteroaryl ketones: Asymmetric synthesis of (*R*)-fluoxetine and (*S*)-duloxetine<sup>†</sup>

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#### HPLC spectra for chiral alcohol products





Chromatograms are illustrated below for a 96% ee sample of (–)-3-Chloro-1-(4-chlorophenyl)propan-1-ol (**6b**)





Chromatograms are illustrated below for a 96% ee sample of (–)-1-(4-Bromophenyl)-3-chloropropan-1-ol (**6c**)























#	[min]	21	[min]	mAU	*s	0/0
1	17.915	BB	0.5088	1915	.07825	89.0278
2	20.488	BV	0.5194	236	.02411	10.9722















Chromatograms are illustrated below for a 95% ee sample of (-)-2-Bromo-1-(thiophen-2-yl)ethanol (10a)





Chromatograms are illustrated below for a 96% ee sample of (*S*)-3-Chloro-1-(thiophen-2-yl)propan-1-ol (**10b**)









Реак	RetTime	Type	wiath	Area	Area	
#	[min]		[min]	mAU *s	%	
1	40.835	BB	2.7873	5.46649e4	97.7043	
2	62.848	BB	1.4649	1284.44849	2.2957	

#### NMR Spectra

#### (S)-3-Chloro-1-phenylpropan-1-ol (6a)



## (-)-3-Chloro-1-(4-chlorophenyl)propan-1-ol (6b)



#### (-)-1-(4-Bromophenyl)-3-chloropropan-1-ol (6c)



### (-)-3-Chloro-1-(2,4-dimethylphenyl)propan-1-ol (6d)









![](_page_21_Figure_1.jpeg)

![](_page_22_Figure_1.jpeg)

## (-)-6-Chloro-1-(3-methoxyphenyl)hexan-1-ol (8b)

![](_page_23_Figure_2.jpeg)

## (-)-1-(3-Bromophenyl)-6-chlorohexan-1-ol (8c)

![](_page_24_Figure_2.jpeg)

![](_page_25_Figure_1.jpeg)

*f*.01

-0.001

5/.05

![](_page_25_Figure_2.jpeg)

.00 2.02

![](_page_26_Figure_1.jpeg)

![](_page_26_Figure_2.jpeg)

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

![](_page_28_Figure_1.jpeg)

![](_page_28_Figure_2.jpeg)

![](_page_29_Figure_1.jpeg)

# (S)-Duloxetine (2)

![](_page_30_Figure_2.jpeg)