

Supporting Information

Asymmetric total synthesis of four stereoisomers of the sex pheromone of the western corn rootworm

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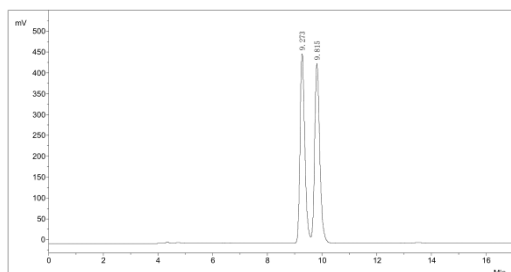
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(S)-2-(2-Methylbutylthio)benzo[d]thiazole ((S)-8).

HPLC analysis: Daicel Chiralcel OD-H column; hexane/*i*-propanol = 98:2, 0.7 mL/min, $\lambda = 220$ nm; t_R (major) = 9.31 min, t_R (minor) = 9.85 min. 99:1 *er*.

HPLC Report

Sample Name:SZF-1118-- OD-H 220 982 0.7 Recording Time:2017.11.18 20:53

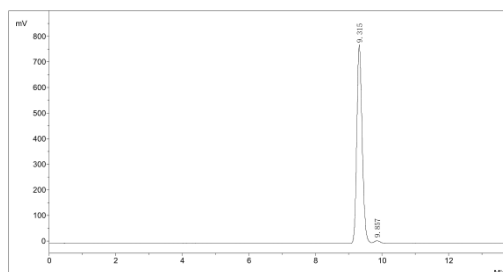


No.	PeakNo	ID.Name	R.Time	PeakHeight	PeakArea	Conc
1	1		9.273	454267.9	5533465.7	49.6543
2	2		9.815	431099.0	5610506.6	50.3457
Total				885366.9	11143972.3	100.0000

No.	IDName	Mi (ug)	MO (ug)	Cm (ug/m3)	Cc (mg/m3)

HPLC Report

Sample Name:SZF-1118-S OD-H 220 982 0.7 Recording Time:2017.11.18 21:11



No.	PeakNo	ID.Name	R.Time	PeakHeight	PeakArea	Conc
1	1		9.315	771833.1	8632533.9	99.0011
2	2		9.857	8495.7	87099.4	0.9989
Total				780328.8	8719633.3	100.0000

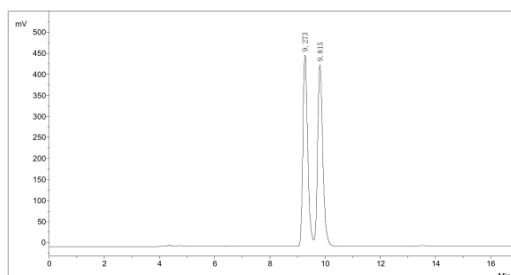
No.	IDName	Mi (ug)	MO (ug)	Cm (ug/m3)	Cc (mg/m3)

(R)-2-(2-methylbutylthio)benzo[d]thiazole ((R)-8).

HPLC analysis: Daicel Chiralcel OD-H column; hexane/*i*-propanol = 98:2, 0.7 mL/min, $\lambda = 220$ nm; t_R (major) = 9.79 min, t_R (minor) = 9.28 min. 93:7 *er*.

HPLC Report

Sample Name:SZF-1118-- OD-H 220 982 0.7 Recording Time:2017.11.18 20:53

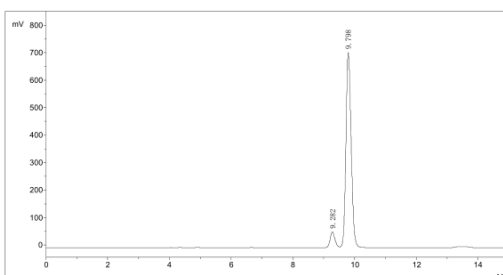


No.	PeakNo	ID.Name	R.Time	PeakHeight	PeakArea	Conc
1	1		9.273	454267.9	5533465.7	49.6543
2	2		9.815	431099.0	5610506.6	50.3457
Total				885366.9	11143972.3	100.0000

No.	IDName	Mi (ug)	MO (ug)	Cm (ug/m3)	Cc (mg/m3)

HPLC Report

Sample Name:SZF-1118-R OD-H 220 982 0.7 Recording Time:2017.11.18 21:26



No.	PeakNo	ID.Name	R.Time	PeakHeight	PeakArea	Conc
1	1		9.282	56541.6	625749.9	6.9517
2	2		9.798	709855.4	8375667.5	93.0483
Total				766397.1	9001417.4	100.0000

No.	IDName	Mi (ug)	MO (ug)	Cm (ug/m3)	Cc (mg/m3)

