Table S1. Crystal data and structure refinement for CN-debranone stereoisomers.

Feature	***R*-CN-debranone**	***S*-CN-debranone**
Empirical formula	$C_{12}H_9NO_3$	$C_{12}H_9NO_3$
Formula weight	215.20	215.20
Temperature	100(2) K	100(2) K
Wavelength	1.54178 Å	1.54178 Å
Crystal system	Orthorhombic	Orthorhombic
Space group	$P2_12_12_1$	$P2_12_12_1$
Unit cell dimensions	*a* = 3.87580(10) Å *b* = 11.1080(3) Å *c* = 23.4431(7) Å	*a* = 3.87530(10) Å *b* = 11.1070(2) Å *c* = 23.4321(3) Å
Volume	1009.28(5) $Å^3$	1008.59(3) $Å^3$
Z	4	4
Density (calculated)	1.416 Mg/m^3	1.417 Mg/m^3
μ	0.860 mm^{-1}	0.860 mm^{-1}
Crystal size	0.55 x 0.22 x 0.15 mm^3	0.38 x 0.05 x 0.05 mm^3
θ range for data collection	3.77 to 67.19°	3.77 to 67.22°
Index ranges	-4<=h<=4, -13<=k<=13, -28<=l<=27	-4<=h<=4, -12<=k<=13, -27<=l<=28
Reflections collected	19709	7582
Independent reflections	1808 [*R*(int) = 0.0385]	1804 [*R*(int) = 0.0200]
Completeness to θ = 67.19°	99.9 %	99.8 %
Absorption correction	Semi-empirical from equivalents	Semi-empirical from equivalents
Max./min. transmission	1.00/0.93	1.00/0.79
Refinement method	Full-matrix least-squares on F^2	Full-matrix least-squares on F^2
Data / restraints / parameters	1808 / 0 / 146	1804 / 0 / 147
Goodness-of-fit on F^2	1.113	1.077
Final *R* indices [$I>2\sigma(I)$]	*R*1 = 0.0375, *wR*2 = 0.1027	*R*1 = 0.0271, *wR*2 = 0.0713
R indices (all data)	*R*1 = 0.0378, *wR*2 = 0.1030	*R*1 = 0.0274, *wR*2 = 0.0718
Absolute structure parameter	-0.1(3)	0.04(17)
Largest diff. peak and hole	0.258 and -0.236 $e.Å^{-3}$	0.151 and -0.178 $e.Å^{-3}$