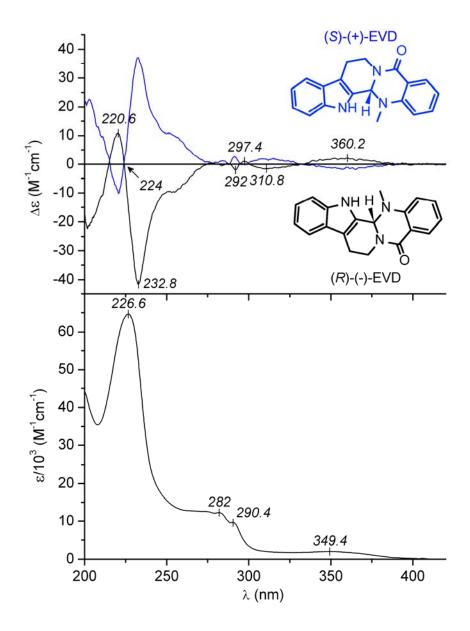
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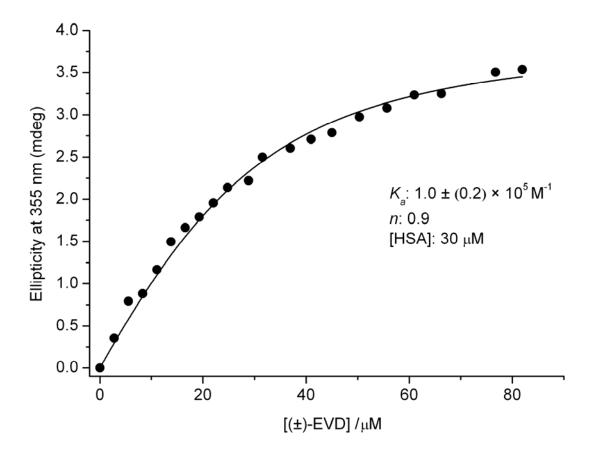
Sample	$\mathbf{V}_{\mathbf{e}}\left(\mathbf{mL}\right)$	$nK_a (M^{-1})$
Solvent	6	-
(R)-Oxazepam acetate	10	1.0×10^4
(S)-Oxazepam acetate	32	8.0×10^4
Diazepam	83	1.8×10^5
(±)-EVD	38 88	1.0×10^5 2.0×10^5
RTC	>> 200	1.0×10^6

Supplementary Table 1

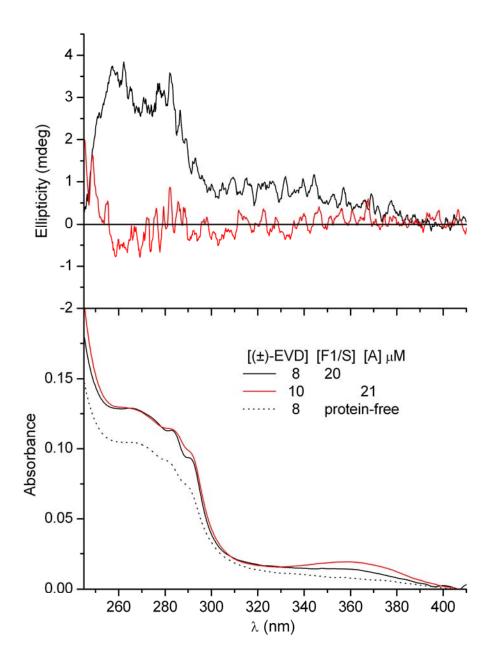
Elution volumes (V_e) and corresponding binding parameters obtained on a HSA-Sepharose column. Eluent: Ringer buffer, pH 7.4.



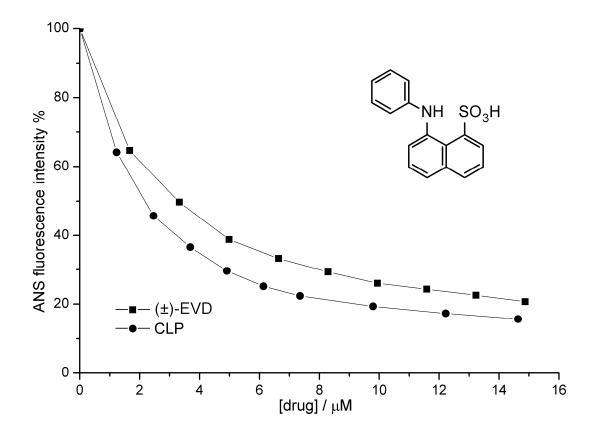
CD and UV absorption spectra of EVD enantiomers measured in AcN.



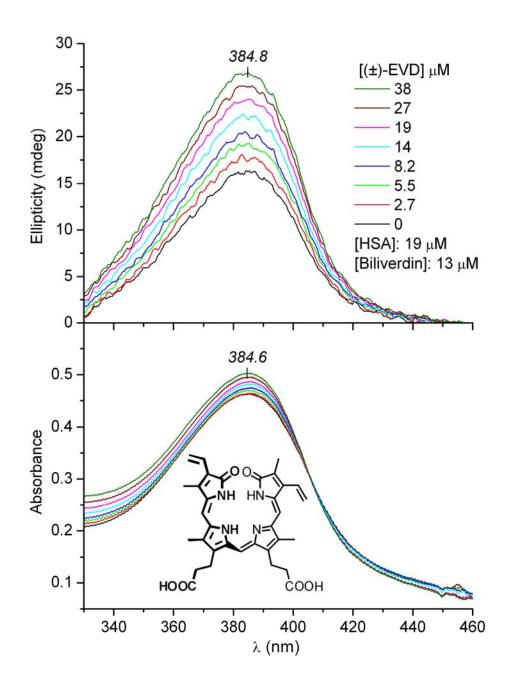
CD titration data of HSA with (\pm) -EVD for estimation the binding parameters (non-linear curve fitting analysis, solid line).



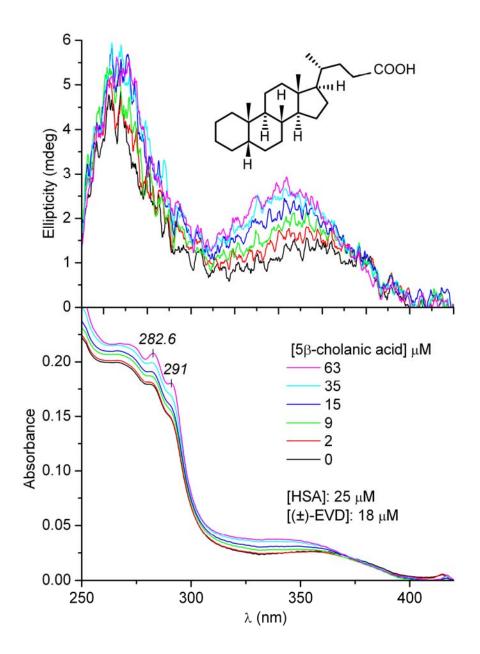
Difference CD and UV absorption spectra of (\pm) -EVD measured with the main genetic variants of AAG (Ringer buffer, 25 °C). Dotted line denotes the absorption spectrum of (\pm) -EVD recorded in protein-free buffer solution.



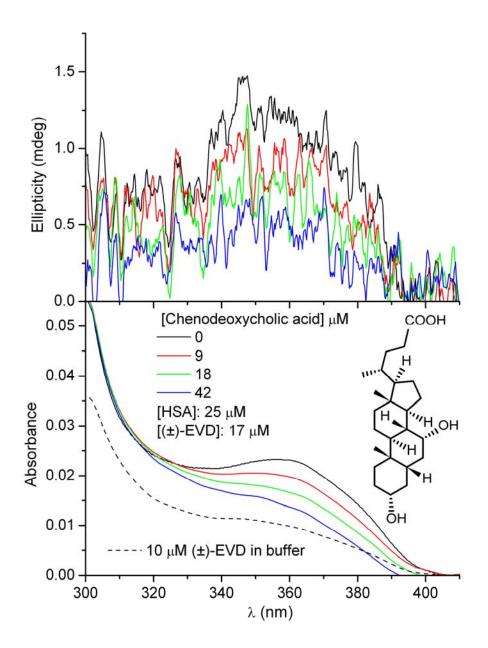
Quenching of fluorescence of 2 μ M ANS in 5 μ M AAG solution by (±)-EVD and chlorpromazine (CLP). Excitation and emission wavelengths were 420 and 476 nm, respectively. Chemical structure of ANS is shown.



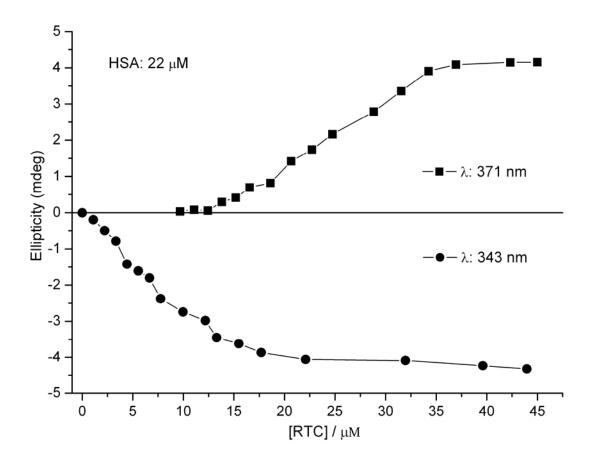
CD and absorption spectral changes of HSA bound biliverdin upon stepwise addition of (\pm) -EVD into the sample solution (Ringer buffer, 25 °C). \emph{M} -helical conformation of biliverdin is shown.



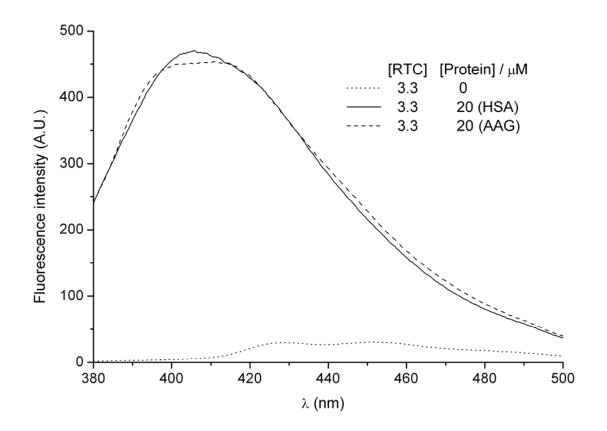
CD and absorption spectral changes of HSA bound (\pm)-EVD provoked upon stepwise addition of 5 β -cholanic acid into the sample solution (Ringer buffer, 25 °C).



Changes of the ICD and UV spectra of HSA bound EVD upon stepwise addition of chenodeoxycholic acid (Ringer buffer, 25 °C). The absorption curve of free EVD is also displayed.



Plots of the induced ellipticity changes of RTC measured at two wavelengths during titration of HSA solution (Ringer buffer, 25 °C).



Fluorescence emission spectra of RTC in buffer, as well as in the presece of HSA and AAG. Excitation was made at 360 nm.