Supporting Information

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UV-spectrophotometry-assisted chemometric methods for simultaneous determination of ambroxol hydrochloride and doxofylline in pharmaceutical formulations

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Table of Contents	Page
Figure S1 : Chemical structure of (a) Ambroxol hydrochloride (b) Doxofylline	2
Figure S2 : Absorption spectra of (a) 10 µg/mL ABH, (b) 10 µg/mL DOX and (c) their mixture (220 to 330 nm)	3
Table S1 : Training calibration set for PLS method	4
Table S2 : Training validation set for PLS method	5

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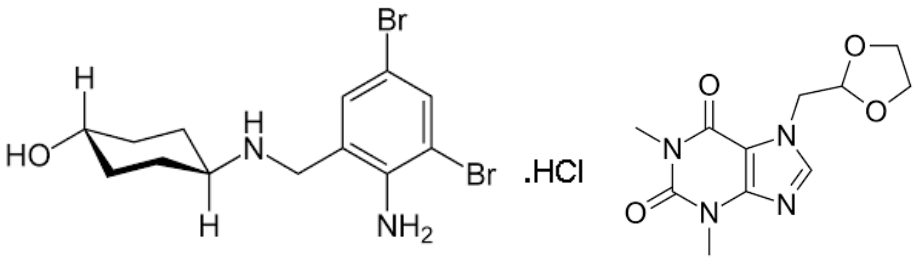

a **b**

Figure S1 : Chemical structure of (a) Ambroxol hydrochloride (b) Doxofylline

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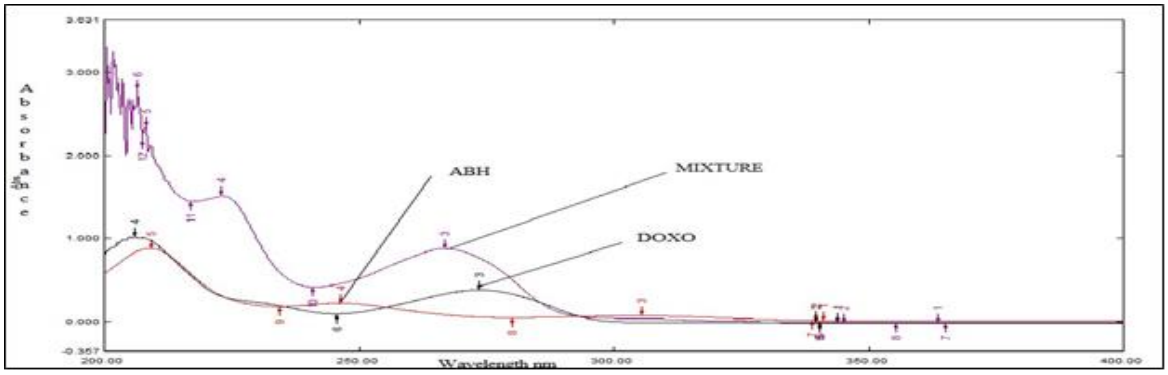

Figure S2 : Absorption spectra of (**a**) 10 µg/mL ABH, (**b**) 10 µg/mL DOX and (**c**) their mixture (220 to 330 nm)

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Table S1 : Training calibration set for PLS method

Experiment No.	ABH Concentration (µg/mL)	DOX Concentration (µg/mL)
C1	2	15
C2	2	25
C3	2	30
C4	2	40
C5	4	15
C6	4	25
C7	4	30
C8	4	40
C9	8	15
C10	8	25
C11	8	30
C12	8	40
C13	12	15
C14	12	25
C15	12	30
C16	12	40

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Table S2 : Training validation set for PLS method

Experiments No.	ABH Concentration (µg/mL)	DOX Concentration (µg/mL)
V1	4	20
V2	4	27.5
V3	4	35
V4	7	20
V5	7	27.5
V6	7	35
V7	10	20
V8	10	27.5
V9	10	35

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