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ABBREVIATIONS AND SYMBOLS

$^{\circ}\text{A}$	Angstrom
A	Eddy diffusion term
B/u	longitudinal diffusion term
C_L	concentration at detection limit
C_m	concentration of component in mobile phase
C_s	concentration of component in stationary phase
Cu	mass transfer term
F	flow rate
g	gram
GC	gas chromatography
HETP	the height equivalent to a theoretical plate
HPLC	high performance liquid chromatography
IC	ion chromatography
IEC	ion exchange chromatography
IIC	ion interaction chromatography
IIR	ion interaction reagent
IPC	ion pair chromatography
IUPAC	International Union of Pure and Applied Chemistry
k'	capacity factor
K	distribution coefficient
L	the length of the column
L	liter
LC	liquid chromatography
min	minute
mL	milliliter
mL/min	milliliter by minute
mm	millimeter

mmol	millimole
mM	millimolar
MeOH	methanol
nm	nanometer
N	number of theoretical plates
ND	not detectable
No.	number
NPC	normal-phase chromatography
ODS	octadecyl silane
R^2	correlation coefficient
R_s	resolution
RP-LC	reversed-phase liquid chromatography
RPC	reversed-phase chromatography
R.S.D.	relative standard deviation
SEC	size-exclusion chromatography
S.D.	standard deviation
t_0	dead time
t_R	retention time
u	linear mobile phase velocity
UV/Vis	ultraviolet/visible
v/v	volume by volume
V_R	retention volume
w_b	peak width at baseline
$w_{1/2}$	peak width at half-height
μL	microliter
μm	micrometer
Δt_R	retention time difference
α	selectivity factor