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LIST OF ABBREVIATIONS AND SYMBOLS

A = frequency factor

BHT = butylated hydroxytoluene

brs = broad singlet

°C = degree celcius

$CDCl_3$ = deuterochloroform

CMEC = carboxylmethylethylcellulose

cm^{-1} = reciprocal centimeter (wave number)

cm^2 = centimeter squared

cps = centipoises

d = doublet

dd = doublet of doublets

dm^2 = decimeter squared

g = gram

E_a = activation energy

ED_{50} = effective concentration 50

ED_{90} = effective concentration 90

EIMS = electron impact mass spectroscopy

k = stability rate constant

$kJ mol^{-1}$ = kilo joule per mole

^1H NMR = proton nuclear magnetic resonance

HPLC = high-performance liquid chromatography

HPMC = hydroxypropylmethylcellulose

Hz = hertz

IC_{50} = inhibition concentration 50

IR = infrared

J = coupling constant

LD_{50} = lethal concentration 50

ln *c* = logarithm of the percentage remaining amount of pyridostemin

ln c_0 = logarithm of the percentage remaining amount of pyridostemin at $t = 0$

m = multiplet

mg = milligram

LIST OF ABBREVIATIONS AND SYMBOLS (CONTINUED)

MHz = megahertz
min = minute
mg = milligram
ml = milliliter
mm = millimeter
MS = mass spectroscopy
m/z = a value of mass divided by charge
µg = microgram
µl = microliter
µm = micrometer
µM = micromolar
N = normality (the number of equivalents per liter of solution)
nm = nanometer
PDA = photodiode array
ppm = part per million
PEG = polyethyleneglycol
PVP = polyvinylpyrrolidone
quin = quintet
R = gas constant
RH = relative humidity
rpm = revolution per minute
r^2 = coefficient of determination
RSD = relative standard deviation
s = singlet
SD = standard deviation
T = absolute temperature in Kelvins
T_g = glass transition
t = triplet
t = time
$t_{1/2}$ = half-life
$t_{90\%}$ = shelf-life

LIST OF ABBREVIATIONS AND SYMBOLS (CONTINUED)

ν_{max}	= maximum absorption frequency
v/v	= volume by volume
w/v	= weight by volume
w/w	= weight by weight
δ	= chemical shift relative to tetramethylsilane