Abbreviations

Included are abbreviations commonly used in *The Merck Index*. Please consult the Acronyms and Glossary (Suppl. Tables Section) for additional definitions.

α_D^{25}	specific optical rotation at 25° C for D (sodium) line; absence of brackets indicates optical rotation of a liquid in a 1 decimeter cell, neat
Å	angstrom
A	absorbance
Ab	antibody
abs	absolute; absorption
abs config	absolute configuration
Ag	antigen
alc	alcohol; ethanol; ethyl alcohol
alk	alkali(ne)
a_M	molar absorptivity
amps	ampules; amperes
anhydr	anhydrous
Ann.	*Justus Liebig's Annalen der Chemie*
approx; ~	approximate(ly)
aq	aqueous
as-; asym-	asymmetrical; unsymmetrical
at.	atomic
at. no.	atomic number
at. wt.	atomic weight
atm	atmosphere(s)
B.P.C.	British Pharmaceutical Codex
Bé	Baumé (a specific gravity scale)
Beilstein	*Beilstein's Handbuch der Organischen Chemie*
Ber.	*Chemische Berichte* (Berichte der Deutschen Chemischen Gesellschaft)
bp	basepair; boiling point
°C	Celsius degrees
c	concentration
ca.	(*circa*) about
cal	calorie(s)
calc(d)	calculate; calculated
cc	cubic centimeter(s) (milliliter)
cf.	(*confer*) compare
Ci	curie
coll. vol.	collective volume
compd	compound
compn	composition
concd	concentrated
concn	concentration
config	configuration
constit	constituent(s)
contd	continued
contg	containing
corr	corrected
corresp	corresponding; corresponds
C_p	heat capacity (constant pressure)
crit press	critical pressure
crit temp	critical temperature
cryst	crystalline; crystals
crystn	crystallization
Δ (delta)	indicates the locant of the double bond
d	density; specific gravity (d_4^{19} specific gravity at 19° referred to water at 4°)
d-	*dextro* (rotatory); the opposite of *l*
D-	*Dextro* configuration; opposite of L
Da	daltons
dec; decomp; decompn	decompose(s); decomposition
deg	degree
deliquesc	deliquescent
deriv	derivative
determn	determination
dil	dilute; diluted; dilution
distln	distillation
dl-	racemic
DL-	optically inactive by external compensation as contrasted with *meso-*
dyn	dynes
ε (epsilon)	molar extinction coefficient; dielectric constant
η (eta)	viscosity
E.C. No.	Enzyme Commission Number
e.g.	(*exempli gratia*) for example
$E_{1cm}^{1\%}$	the absorbance of a solution containing one gram per 100 ml contained in a cell having an absorption path of one cm
Ed(s).	editor(s)
ed.	edition
eidem	the same (authors); plural of *idem*
E_M	molar extinction coefficient (concn in g-moles/l)
equiv	equivalent
et al.	(*et alii*) and others
etc.	(*et cetera)* and so forth
eV	electron volt
evac	evacuated
evapn	evaporation
exptl	experimental(ly)
ext(d)	extract; extracted
extern	externally
°F	Fahrenheit degrees
fp	freezing point
Frdl.	*P. Friedlander Fortschritte der Teerfarbenfabrikation*, a collection of patents
g	gram(s)
Gmelin's	*Gmelin's Handbuch der Anorganischen Chemie*
habit.	habitat
Houben	a German collection of medicinal patents
Houben Weyl	*Houben-Weyl Methoden der Organischen Chemie*
hr	hour
i.e.	(*id est*) that is
i.g.	intragastric
i.m.	intramuscular
i.p.	intraperitoneal
I.U.	international unit
i.v.	intravenous

Abbreviations (Continued)

ibid.	(*ibidem*) at the same place
idem	the same (author); plural: *eidem*, the same (authors)
incl	including
incompat	incompatibility
inorg	inorganic
insol	insoluble
Intl	International
isoln	isolation
K	dissociation constant; equilibrium constant; Kelvin temperature
λ (lambda)	wavelength; microliter
l	liter
l-	*levo*(rotatory); the opposite of *d*
L-	*Levo* configuration; opposite of D
LC_{50}	median lethal concentration; the concn of a chemical that is estimated to be fatal to 50% of the organism tested
LD_{50}	median lethal dose; the quantity of a chemical that is estimated to be fatal to 50% of the organisms tested
loc. cit.	(*loco citato*) in the place cited
log	logarithm (common)
log *P*	logarithm of the partition coefficient
M	molar (concentration; moles/liter)
m-	*meta* chemical locant for ring substituents
Mab; mAb	monoclonal antibody
mass spec	mass spectrometry
MD	molecular rotation $\frac{[\alpha]_D \times \text{mol wt}}{100}$
Mellor's	*Mellor's Comprehensive Treatise on Inorganic and Theoretical Chemistry*
Mfg; manuf	manufacturing
mfr	manufacturer
misc	miscible
mixt	mixture
mol wt	molecular weight
Monatsh.	*Monatshefte für Chemie*
mp	melting point
M_r	relative molecular mass
N	normal concentration or nitrogen as a locant
n	index of refraction (n_D^{20} for 20° and sodium light); normal, as *n*-propyl
o-	*ortho* chemical locant for ring substituents
op. cit.	(*opere citato*) in the work cited
org	organic
OsM	osmolar; osmole
ψ (psi)	pseudo
P	poise
p-	*para* chemical locant for ring substituents
p; pp	page(s)
Pa	pascal
passim	here and there; scattered
pat.	patent
petr	petroleum
pH	acid-base scale; log of reciprocal of hydrogen ion concentration
pI	isoelectric point
pK	log of the reciprocal of the dissociation constant
ppm	parts per million
ppt; pptd	precipitate; precipitated
prepd; prepn	prepared; preparation
press.	pressure
pt	point
q.q.v.	(*quae vide*) which see, plural
q.v.	(*quod vide*) which see
r-	racemic
recryst(n)	recrystallize; recrystallization
ref	reference
rep [REP]	"roentgen equivalent physical" means a dose of ionizing radiation capable of producing energy absorption of 93 ergs per gram of tissue
resp	respectively
s.c.	subcutaneous
sapon(if)	saponification
satd	saturated
sec	second(s)
sepn	separation
sol	soluble
soly	solubility
solidif	solidifies; solidification
soln	solution
sp gr	specific gravity
sp.	species
spec	spectroscopy; spectrum; spectral
spp.	species (plural)
sqq	(*sequentia*) and following
subl	sublimes
suppl	supplement
sym-	symmetrical
$t_{1/2}$	half-life
tabl	tablet(s)
tech	technical
temp	temperature
uncor(r)	uncorrected
unsym-	unsymmetrical; asymmetrical
UV; uv	ultraviolet
v	volt(s)
v-	(*vicinal*) adjacent
v/v	percent "volume in volume" expresses the number of milliliters of an active constituent in 100 milliliters of solution
var	variety
viz.	(*videlicet*) that is to say; namely
vol	volume
vs	versus
w/v	percent "weight in volume" expresses the number of grams of an active constituent in 100 milliliters of solution, and is used regardless of whether water or another liquid is the solvent
w/w	percent "weight in weight" expresses the number of grams of an active constituent in 100 grams of solution or mixture
wt	weight