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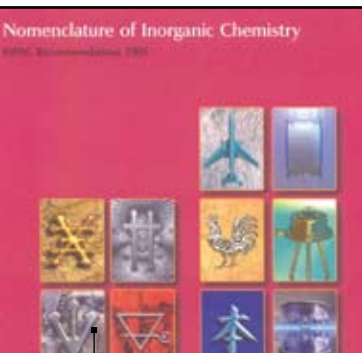
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IUPAC Periodic Table of the Elements

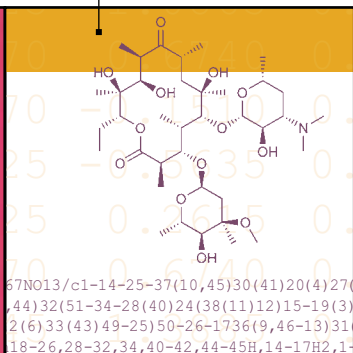
1																	18
1 H hydrogen 1.007 94(7)																	2 He helium 4.002 602(2)
3 Li lithium 6.941(2)	4 Be beryllium 9.012 182(3)	Key: atomic number Symbol name standard atomic weight										13 B boron 10.811(7)	14 C carbon 12.0107(8)	15 N nitrogen 14.0067(2)	16 O oxygen 15.9994(3)	17 F fluorine 18.998 4032(5)	18 Ne neon 20.1797(6)
11 Na sodium 22.989 769 28(2)	12 Mg magnesium 24.3050(6)											13 Al aluminium 26.981 5386(6)	14 Si silicon 28.0855(3)	15 P phosphorus 30.973 762(2)	16 S sulfur 32.065(5)	17 Cl chlorine 35.453(2)	18 Ar argon 39.948(1)
19 K potassium 39.0983(1)	20 Ca calcium 40.078(4)	21 Sc scandium 44.955 912(6)	22 Ti titanium 47.867(1)	23 V vanadium 50.9415(1)	24 Cr chromium 51.996 1(6)	25 Mn manganese 54.938 045(5)	26 Fe iron 55.845(2)	27 Co cobalt 58.933 195(5)	28 Ni nickel 58.6934(4)	29 Cu copper 63.546(3)	30 Zn zinc 65.38(2)	31 Ga gallium 69.723(1)	32 Ge germanium 72.64(1)	33 As arsenic 74.921 60(2)	34 Se selenium 78.96(3)	35 Br bromine 79.904(1)	36 Kr krypton 83.798(2)
37 Rb rubidium 85.4678(3)	38 Sr strontium 87.62(1)	39 Y yttrium 88.905 85(2)	40 Zr zirconium 91.224(2)	41 Nb niobium 92.906 38(2)	42 Mo molybdenum 95.96(2)	43 Tc technetium [98]	44 Ru ruthenium 101.07(2)	45 Rh rhodium 102.905 50(2)	46 Pd palladium 106.42(1)	47 Ag silver 107.8682(2)	48 Cd cadmium 112.411(8)	49 In indium 114.818(3)	50 Sn tin 118.710(7)	51 Sb antimony 121.760(1)	52 Te tellurium 127.60(3)	53 I iodine 126.904 47(3)	54 Xe xenon 131.293(6)
55 Cs caesium 132.905 4519(2)	56 Ba barium 137.327(7)	57-71 lanthanoids	72 Hf hafnium 178.49(2)	73 Ta tantalum 180.947 88(2)	74 W tungsten 183.84(1)	75 Re rhenium 186.207(1)	76 Os osmium 190.23(3)	77 Ir iridium 192.217(3)	78 Pt platinum 195.084(9)	79 Au gold 196.966 569(4)	80 Hg mercury 200.59(2)	81 Tl thallium 204.3833(2)	82 Pb lead 207.2(1)	83 Bi bismuth 208.980 40(1)	84 Po polonium [209]	85 At astatine [210]	86 Rn radon [222]
87 Fr francium [223]	88 Ra radium [226]	89-103 actinoids	104 Rf rutherfordium [261]	105 Db dubnium [262]	106 Sg seaborgium [266]	107 Bh bohrium [264]	108 Hs hassium [277]	109 Mt meitnerium [268]	110 Ds darmstadtium [271]	111 Rg roentgenium [272]							
																	
57 La lanthanum 138.905 47(7)	58 Ce cerium 140.116(1)	59 Pr praseodymium 140.907 65(2)	60 Nd neodymium 144.242(3)	61 Pm promethium [145]	62 Sm samarium 150.36(2)	63 Eu europium 151.964(1)	64 Gd gadolinium 157.25(3)	65 Tb terbium 158.925 35(2)	66 Dy dysprosium 162.500(1)	67 Ho holmium 164.930 32(2)	68 Er erbium 167.259(3)	69 Tm thulium 168.934 21(2)	70 Yb ytterbium 173.054(5)	71 Lu lutetium 174.9668(1)			
89 Ac actinium [227]	90 Th thorium 232.038 06(2)	91 Pa protactinium 231.036 88(2)	92 U uranium 238.028 91(3)	93 Np neptunium [237]	94 Pu plutonium [244]	95 Am americium [243]	96 Cm curium [247]	97 Bk berkelium [247]	98 Cf californium [251]	99 Es einsteinium [252]	100 Fm fermium [257]	101 Md mendelevium [258]	102 No nobelium [259]	103 Lr lawrencium [262]			

IUPAC does more than just name elements...

Electronic data standards, such as InChI, ThermoML, and structure representation



Chemical nomenclature and terminology



Authoritative technical reports and recommendations, symposia lectures, and special topics features

Units and symbols

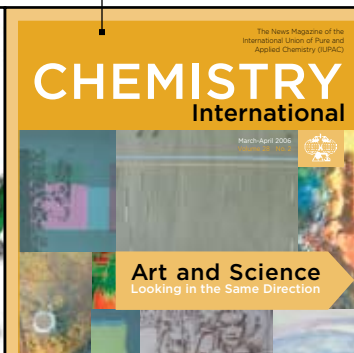
$\Delta_r G^\circ$	$\Delta_r G^\circ = \sum_B \nu_B \mu_B^\circ$	J mol^{-1}
A, A	$A = -(\partial G / \partial \xi)_{p,T}$ $= -\sum_B \nu_B \mu_B^\circ$	J mol^{-1}
$\Delta_r H^\circ$	$\Delta_r H^\circ = \sum_B \nu_B H_B^\circ$	J mol^{-1}
$\Delta_r S^\circ$	$\Delta_r S^\circ = \sum_B \nu_B S_B^\circ$	$\text{J mol}^{-1} \text{K}^{-1}$
Q	$Q = \prod_B a_B^\circ$	1
K°, K	$K^\circ = \exp(-\Delta_r G^\circ / RT)$	1
K_p	$K_p = \prod_B p_B^\circ$	$\text{Pa}^{\sum \nu_B}$
K_c	$K_c = \prod_B c_B^\circ$	$(\text{mol m}^{-3})^{\sum \nu_B}$
K_m	$K_m = \prod_B m_B^\circ$	$(\text{mol kg}^{-1})^{\sum \nu_B}$
f, \bar{p}	$f_B = \lambda_B \lim_{p \rightarrow 0} (p_B / \lambda_B)_T$	Pa
ϕ	$\phi_B = f_B / p$	1

Analogue-based Drug Discovery



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