

基本有機化学用語

本講義で習得すべき基本的有機化学用語180語を示す。なお、グループの記号は次の意味である。

g: general(一般)	24語
c: compound(化合物)	38語
r: reaction(反応)	33語
s: structure(構造)	35語
e: experimental(実験)	50語

No	group	term	Japanese
1	g1	element	
2	g2	atom	
3	g3	proton	
4	g4	electron	
5	g5	electronegativity	
6	g6	bond	
7	g7	molecule	
8	g8	substance	
9	g9	structural formula	
10	g10	organic chemistry	
11	g11	inorganic chemistry	
12	g12	acid	
13	g13	acidity	
14	g14	acidic	
15	g15	base	
16	g16	basicity	
17	g17	basic	
18	g18	cation	
19	g19	anion	
20	g20	positive	
21	g21	neutral	
22	g22	negative	
23	g23	unpaired electron	
24	g24	lone pair	
25	c1	compound	

No	group	term	Japanese
26	c2	saturated compound	
27	c3	unsaturated compound	
28	c4	aliphatic compound	
29	c5	aromatic compound	
30	c6	alicyclic compound	
31	c7	heteroatom	
32	c8	heterocyclic compound	
33	c9	organometallic compound	
34	c10	hydrocarbon	
35	c11	alkane	
36	c12	alkene	
37	c13	alkyne	
38	c14	halide	
39	c15	chloride	
40	c16	alcohol	
41	c17	ether	
42	c18	amine	
43	c19	oxide	
44	c20	sulfide	
45	c21	aldehyde	
46	c22	ketone	
47	c23	carboxylic acid	
48	c24	ester	
49	c25	amide	
50	c26	anhydride	
51	c27	primary	
52	c28	secondary	
53	c29	tertiary	
54	c30	quaternary	
55	c31	alkyl group	
56	c32	alkoxy group	

No	group	term	Japanese
57	c33	functional group	
58	c34	protecting group	
59	c35	derivative	
60	c36	substituent	
61	c37	hydride	
62	c38	carbohydrate	
63	r1	reaction	
64	r2	side reaction	
65	r3	reactivity	
66	r4	reactant	
67	r5	product	
68	r6	precursor	
69	r7	reagent	
70	r8	homolysis	
71	r9	heterolysis	
72	r10	addition	
73	r11	elimination	
74	r12	substitution	
75	r13	condensation	
76	r14	rearrangement	
77	r15	alkylation	
78	r16	hydrogenation	
79	r17	halogenation	
80	r18	esterification	
81	r19	hydrolysis	
82	r20	dimerization	
83	r21	oxidation	
84	r22	oxidize	
85	r23	reduction	
86	r24	protonation	
87	r25	neutralization	

No	group	term	Japanese
88	r26	nucleophile	
89	r27	electrophile	
90	r28	mechanism	
91	r29	equilibrium	
92	r30	thermodynamic	
93	r31	kinetics	
94	r32	catalyst	
95	r33	intermediate	
96	s1	main chain	
97	s2	side chain	
98	s3	isomer	
99	s4	isomerization	
100	s5	tautomerism	
101	s6	configuration	
102	s7	conformation	
103	s8	valence	
104	s9	covalent bond	
105	s10	single bond	
106	s11	double bond	
107	s12	triple bond	
108	s13	aromaticity	
109	s14	delocalization	
110	s15	conjugated system	
111	s16	resonance structure	
112	s17	hyperconjugation	
113	s18	hybrid orbital	
114	s19	polar	
115	s20	polarity	
116	s21	aprotic	
117	s22	hydrogen bonding	
118	s23	stabilize	

No	group	term	Japanese
119	s24	steric hindrance	
120	s25	bulky	
121	s26	carbanion	
122	s27	carbenium ion	
123	s28	zwitterion	
124	s29	racemic	
125	s30	stereochemistry	
126	s31	chiral	
127	s32	enantiomer	
128	s33	diastereomer	
129	s34	optical activity	
130	s35	asymmetric center	
131	e1	experiment	
132	e2	laboratory	
133	e3	preparation	
134	e4	synthesis	
135	e5	yield	
136	e6	molecular weight	
137	e7	mole	
138	e8	equivalent	
139	e9	stoichiometry	
140	e10	solute	
141	e11	solvent	
142	e12	medium	
143	e13	solution	
144	e14	insoluble	
145	e15	solubility	
146	e16	concentration	
147	e17	beaker	
148	e18	flask	
149	e19	funnel	

No	group	term	Japanese
150	e20	stopper	
151	e21	stirrer	
152	e22	evaporator	
153	e23	evaporation	
154	e24	reflux	
155	e25	mixture	
156	e26	residue	
157	e27	separation	
158	e28	extraction	
159	e29	filtration	
160	e30	distillation	
161	e31	sublimation	
162	e32	precipitation	
163	e33	boiling point	
164	e34	melting point	
165	e35	recrystallization	
166	e36	crystal	
167	e37	filtrate	
168	e38	qualitative analysis	
169	e39	quantitative analysis	
170	e40	impurity	
171	e41	purification	
172	e42	isolation	
173	e43	chromatography	
174	e44	measurement	
175	e45	identification	
176	e46	singlet	
177	e47	doublet	
178	e48	triplet	
179	e49	quartet	
180	e50	literature	