

Table 5g. Table showing the non-aromatic cyclic hydrocarbons reported in the literature that have been detected in the healthy human body

CAS-number	Compound name	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva
75-19-4	cyclopropane	F		Br				
18631-83-9	ethylidenecyclopropane	F						
74685-56-6	2-(methylenebutyl)-cyclopropane							Sa
287-23-0	cyclobutane	F		Br				
52097-85-5	2-propenylidene-cyclobutene	F						
	<b>cyclopentanes</b>							
287-92-3	cyclopentane	F		Br		M		
96-37-7	methylcyclopentane			Br		M	Bl	Sa
1528-30-9	methylenecyclopentane			Br				
41158-41-2	1-methyl-2-methylenecyclopentane			Br				
1638-26-2	1,1-dimethylcyclopentane			Br				
822-50-4 and 1192-18-3	1,2-dimethylcyclopentane			Br <sup>2</sup>				
2453-00-1	1,3-dimethylcyclopentane			Br <sup>2</sup>				
2815-57-8	1,2,3-trimethylcyclopentane			Br <sup>2</sup>				
2815-58-9	1,2,4-trimethylcyclopentane			Br				
91884-67-2	1,2-dimethyl-3-methylenecyclopentane			Br				
930-89-2	1-ethyl-2-methylcyclopentane			Br				
19780-56-4	1-ethyl-2-methylcyclopentene			Br				
97797-57-4	1-ethyl-5-methylcyclopentene			Br				
4413-21-2	1,1'-ethylidenebis-cyclopentane							Sa
75873-00-6	1-methyl-3-(2-methyl-2-propenyl)-cyclopentane							Sa
	<b>cyclopentenenes</b>							
142-29-0	cyclopentene			Br				
693-89-0	1-methyl-1-cyclopentene			Br				
1120-62-3	3-methyl-1-cyclopentene			Br				
1759-81-5	1-methyl-3-cyclopentene			Br				
693-89-0	1-methyl-1-cyclopentene			Br				
14548-32-4	4-methylene-1-cyclopentene			Br				
930-26-7	3-methylene-1-cyclopentene			Br				
2146-38-5	1-ethyl-1-cyclopentene			Br				
19037-72-0	4,4-dimethyl-1-cyclopentene			Br				
7459-71-4	3,5-dimethyl-1-cyclopentene			Br				
16491-15-9	1,2-dimethyl-2-cyclopentene			Br				
473-91-6	1,2,3-trimethyl-1-cyclopentene			Br				
1462-07-3	1-isopropyl-1-cyclopentene			Br				
37689-15-9	1-(3-methylbutyl)-cyclopentene							Sa
	<b>cyclopentadienes</b>							
542-92-7	1,3-cyclopentadiene			Br				
96-38-8	5-methyl-1,3-cyclopentadiene			Br				
96-39-9	1-methyl-1,3-cyclopentadiene			Br				
123278-27-3	1,3-bis(1-methylethyl)-1,3-cyclopentadiene							Sa

CAS-number	Compound name	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva
4784-86-5	1,2-dimethyl-1,3-cyclopentadiene			Br				
4125-18-2	5,5-dimethyl-1,3-cyclopentadiene			Br				
496862-86-3	5,5-dimethyl-1-ethyl-1,3-cyclopentadiene		U					
	<b>cyclohexanes</b>							
110-82-7	cyclohexane	F		Br		M		Sa
108-87-2	methylcyclohexane	F						
591-47-9	4-methyl-1-cyclohexane			Br				
1678-91-7	ethylcyclohexane			Br				
590-66-9	1,1-dimethylcyclohexane			Br				
583-57-3	1,2-dimethylcyclohexane			Br <sup>2</sup>				
638-04-0	1,3-dimethylcyclohexane			Br				
2207-04-7	1,4-dimethylcyclohexane			Br <sup>2</sup>				
1192-37-6	1-methylenecyclohexane			Br				
7094-26-0	1,1,2-trimethylcyclohexane			Br				
1678-81-5	1,2,3-trimethylcyclohexane			Br <sup>2</sup>				
2234-75-5	1,2,4-trimethylcyclohexane			Br <sup>2</sup>				
1839-63-0	1,3,5-trimethylcyclohexane			Br				
3728-55-0	1-ethyl-3-methylcyclohexane			Br				
3728-56-1	1-ethyl-4-methylcyclohexane			Br				
5749-72-4	(1-methylethylidene)-cyclohexane			Br				
1003-64-1	ethylidenecyclohexane / cyclohexane, ethylidene-			Br				
2114-42-3	prop-2-enylcyclohexane							Sa
1678-92-8	n-propylcyclohexane			Br				
5664-10-8	2-propenylidenecyclohexane			Br				
89656-98-4	(2-methyl-1-propenyl)-cyclohexane			Br				
4292-92-6	1-cyclohexylpentane			Br				
99-82-1	menthane				Sk			
16580-24-8	m-menthane			Br				
1879-07-8	1-isopropenyl-4-methylcyclohexane			Br <sup>2</sup>				
610770-63-3	1,1,2-trimethyl-3,5-bis(1-methylethenyl)-cyclohexane							Sa
62337-99-9	1,2-dimethyl-3,5-bis(1-methylethenyl)-cyclohexane							Sa
56763-62-3	4-methyl-2-methylene-1-(1-methylethylidene)-cyclohexane							Sa
33880-83-0	beta-elemene							Sa
	<b>cyclohexenes</b>							
110-83-8	cyclohexene		U	Br				
591-49-1	1-methyl-1-cyclohexene			Br				
1453-24-3	1-ethyl-1-cyclohexene			Br				
2808-71-1	3-ethyl-1-cyclohexene			Br				
1674-10-8	1,2-dimethyl-1-cyclohexene			Br				
2808-76-6	1,3-dimethyl cyclohexene			Br				
1759-64-4	1,6-dimethylcyclohexene			Br				
1192-37-6	1-methylenecyclohexane			Br				
1888-90-0	1-methylene-2-cyclohexene			Br				
ui	ethyl methylcyclohexane ui					M		

CAS-number	Compound name	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva
3983-06-0	3-propyl-1-cyclohexene			Br				
15232-95-8	3-allyl-1-cyclohexene			Br				
20185-16-4	3,3-dimethyl-6-methylene-1-cyclohexene			Br				
1743-61-9	1,4-dimethyl-4-vinylcyclohexene			Br				
16609-28-2	3-methylene-1,5,5-trimethylcyclohexene							Sa
514-95-4	1,5,5-trimethyl-6-methylenecyclohexene	F						
4104-56-7	3-(2-methylpropyl)-cyclohexene							Sa
1461-27-4	5-isopropenyl-1-methyl-1-cyclohexene			Br				
5256-65-5	2-menthene			Br <sup>2</sup>				Sa
619-52-3	3-menthene			Br <sup>2</sup>				
499-99-0	isolimonene							Sa
138-86-3	dl-limonene	F	U	Br		M <sup>2</sup>		Sa
555-10-2	beta-phellandrene	F	U	Br				Sa
99-84-3	beta-terpinene			Br				Sa
586-62-9	delta terpinene / terpinolene / 1-methyl-4-(1-methylethylidene)-cyclohexene	F	U	Br				Sa
586-63-0	isoterpinolene							Sa
20307-84-0	4-ethenyl-4-methyl-3-(1-methylethenyl)-1-(1-methylethyl)-cyclohexene	F <sup>2</sup>						
	<b>cyclohexadienes</b>							
592-57-4	1,3-cyclohexadiene			Br				
628-41-1	1,4-cyclohexadiene			Br				
4313-57-9	1-methyl-1,4-cyclohexadiene		U	Br				
99-83-2	alpha-phellandrene	F	U	Br				Sa
99-86-5	alpha-terpinene / 1-methyl-4-(1-methylethyl)-1,3-cyclohexadiene		U	Br				Sa
99-85-4	gamma-terpinene / 1-methyl-4-(1-methylethyl)-1,4-cyclohexadiene	F	U	Br				Sa
18368-95-1	1,3,8-p-menthatriene							Sa
21195-59-5	1,5,8-p-menthatriene	F		Br				
291-64-5	cycloheptane			Br				
4126-78-7	methylcycloheptane			Br				
628-92-2	1-cycloheptene			Br				
4054-38-0	1,3-cycloheptadiene			Br				
544-25-2	1,3,5-cycloheptatriene	F						
292-64-8	cyclooctane			Br				
629-20-9	1,3,5,7-cyclooctatetraene	F						
ui	decane, cyclic isomer					M		
na	humulen-(v1)							Sa
295-17-0	cyclotetradecane				Sk			Sa
295-65-8	cyclohexadecane				Sk			

ui unspecified isomer

na no CAS-number available

<sup>2</sup> for more information on stereoisomer(s) see entry in table 1.