

Table 6a. List of non-cyclic ethers in human body.

CAS-number	Compound name	Formula	Faeces	Urine	Breath	Skin	Milk	Blood	Saliva	Semen
115-10-6	dimethyl ether	C2H6O	[222]		[6, 275, 336, 407]		[155]			
626-91-5	1-methoxy-3-methylbutane	C2H7NO			[408]					
540-67-0	1-methoxyethane	C3H8O			[408]					
60-29-7	diethyl ether	C4H10O	[222]		[309, 353, 408]			[123, 126, 141]		
109-93-3	Vinyl Ether	C4H6O								[241]
7319-16-6	1-Propene, 1-methoxy-	C4H8O								[241]
109-92-2	vinyl ethyl ether / ethoxyethane	C4H8O			[106, 408]			[106]		[241]
17351-24-5	3-methoxybut-1-ene	C5H10O						[125]		
926-65-8	vinyl isopropyl ether / 2-(ethenyloxy) propane	C5H10O						[131]		[241]
1634-04-4	methyl tert-butyl ether / Propane, 2-methoxy-2-methyl-	C5H12O			[6, 275, 61, 369, 380]		[157, 161]	[123, 136, 141]		
625-44-5	Propane, 1-methoxy-2-methyl / Ether, Isobutyl Methyl	C5H12O								[241]
625-54-7	2-ethoxypropane	C5H12O3			[408]				[111]	
109-53-5	1-Ethenoxy-2-methylpropane	C6H12O							[111]	
3424-89-3	propenyl propyl ether	C6H12O			[408]					
31915-76-1	trans-1-methoxy-3-methyl-1-butene	C6H12O						[125]		
994-05-8	2-methoxy-2-methyl butane	C6H14O			[378]					
108-20-3	diisopropylether	C6H14O		[258]	[377]			[123]		
637-92-3	ethyl tert-butyl ether / 2-Ethoxy-2-methylpropane	C6H14O		[198, 202]	[6, 275, 361]					

2161-90-2	1,3-cyclohexadien-1-yl methyl ether	C7H10O		[408]			
931-57-7	1-methoxycyclohexene	C7H12O				[126]	
4747-07-3	1-methoxyhexane	C7H16O			[176]		
100-66-3	Methoxybenzene / anisole	C7H8O	[250]			[111]	
100-84-5	1-methoxy-3-methylbenzene	C8H10O				[125]	
104-93-8	1-methoxy-4-methylbenzene	C8H10O	[9, 222]			[125]	
142-96-1	di-n-butyl ether	C8H18O	[9]	[277]			
626-20-0	1-ethenyl-3-methoxybenzene	C9H10O	[222]				
104-46-1	anethole / 1-methoxy-4-(1-propenyl)-benzene	C10H12O	[9, 222]	[57, 341, 388, 408]		[110]	
140-67-0	p-allyl anisole / estragole / 1-methoxy-4-(2-propenyl)-benzene	C10H12O	[222]	[341, 392, 408]		[110]	
104-45-0	1-methoxy-4-propyl-benzene	C10H14O		[408]		[110]	
1076-56-8	Benzene, 2-methoxy-4-methyl-1-(1-methylethyl)- / Thymol methyl ether	C11H16O		[29]			
101-84-8	diphenyl ether	C12H10O			[182]	[182, 420]	
83704-03-4	Heptane,3-[(1,1-dimethylethoxy)methyl]-	C12H26O		[344, 397]			
1818-07-1	benzene (octyloxy)	C14H22O				[113]	
629-82-3	1,1'-oxybisoctane / dioctyl ether / Dicaprylyl Ether	C16H34O			[182, 186]	[110, 420] [241]	
<i>Diethers</i>							
109-87-5	dimethoxymethane	C3H8O2		[275, 377, 408]		[117]	
4461-87-4	2,2-Dimethoxybutane	C6H14O2				[124]	
105-57-7	diethyl acetal	C6H14O2			[182]	[182]	
10143-66-5	dimethoxybutane	C6H14O2			[178]		

41632-89-7	Propane, 1,1-dimethoxy-2-methyl-	C6H14O2			[124]
20680-10-8	1-(1-Ethoxyethoxy)propane	C7H16O2			[117]
20324-32-7	1-(2-methoxy-1-methylethoxy)-2-propanol	C7H16O3		[408]	
151-10-0	1,3-dimethoxybenzene	C8H10O2	[9]		[125]
ui	Dimethoxybenzene	C8H10O2		[29]	
na	3,6-Dimethoxy-1,6-dimethyl-1,4-cyclohexadiene	C10H16O2		[369]	
2749-70-4	bis(benzyloxy)methane <i>triether, tetraether</i>	C15H16O2			[182] [420]
20637-49-4	1,2,3-trimethoxypropane	C6H14O3			[178]
16754-48-6	Orthoformic acid, tri-sec-butyl ester	C13H28O3			[241]
9038-95-3	7-methyl-2,6,9,12-tetraoxahexadecane	C13H28O4		[383]	
<i>Non-cyclic hydroxy ethers</i>					
109-86-4	1-hydroxy-2-methoxyethane / 2-methoxyethanol	C3H8O2		[408]	
107-98-2	1-methoxy-2-hydroxypropane	C4H10O2		[408]	
110-80-5	2-ethoxyethanol	C4H10O2	[9]	[408]	
764-48-7	Ethyleneglycol mono vinyl ester / Vinyloxyethanol	C4H8O		[304]	[241]
111-45-5	Ethanol, 2-(2-propenyloxy) / Ethylene Glycol Allyl Ether	C5H10O2			[241]
623-69-8	1,3-dimethoxy-2-propanol	C5H12O3		[408]	
1569-01-3	1-propoxy-2-propanol	C6H14O2			[117]
111-76-2	2-butoxyethan-1-ol	C6H14O2	[193]	[277, 408]	[241]
110-98-5	1,1'-oxybis-2-propanol	C6H14O3			[176]

111-90-0	2-(2-ethoxyethoxy)-ethanol	C6H14O3	[9, 223]	[408]			
5131-66-8	1-butoxypropan-2-ol	C7H16O2		[298, 408]			[241]
34590-94-8	(2-methoxymethylethoxy)propanol	C7H16O3		[336, 408]			
13429-07-7	1-(2-methoxypropoxy)-2-propanol	C7H16O3		[408]	[176]		
none?	4-methylmannitol	C7H16O6					[114]
90-05-1	2-methoxyphenol / Guaiacol	C7H8O2	[194, 250]	[331, 408]		[162, 164]	[111]
150-76-5	4-methoxyphenol	C7H8O2				[130]	
122-99-6	2-phenoxyethanol	C8H10O2	[9]	[6, 57]	[182]		[420, 422]
93-51-6	4-methylguaiacol / creosol	C8H10O2		[331]			
112-25-4	2-(hexyloxy)-ethanol	C8H18O2				[125]	
54446-78-5	1-(2-butoxyethoxy)ethanol	C8H18O3		[383, 408]			
7786-61-0	2-Methoxy-4-vinylphenol	C9H10O2	[202, 250, 253]				
2785-89-9	4-ethyl-2-methoxyphenol	C9H12O					[111]
770-35-4	1-Phenoxy-2-propanol	C9H12O2		[57]			
97-53-0	eugenol	C10H12O2			[182]		[114, 182, 420]
97-54-1	isoeugenol	C10H12O2			[182]		[182]
13897-22-8	3-Hexanol, 1,5-dimethoxy-2,4-dimethyl-	C10H22O3					[241]
720-44-5	4-methoxybenzhydrol	C14H14O2					[113]
<i>Peroxides</i>							
762-46-9	Hydroperoxide, 1-methylhexyl	C7H16O2					[241]
3040-34-4	3-Methyldioxyindole	C9H9NO2		[45]			