

Table 8a. List of cyclic hydrocarbons in human body.

| CAS-number | Compound name | Formula | Faeces | Urine | Breath | Skin | Milk | Blood | Saliva | Semen |
|-----------------------------------|---|---------|--------|-------|------------|-------|-------|-------|--------|-------|
| <i>Cyclopropanes</i> | | | | | | | | | | |
| 75-19-4 | cyclopropane | C3H6 | [223] | | [378, 408] | | | | | |
| 2511-95-7 | 1,2-Dimethylcyclopropane | C5H10 | | | | | | | [111] | |
| 1630-94-0 | cyclopropane, 1,1-dimethyl | C5H10 | | | | | | [126] | | |
| 18631-83-9 | ethylidenecyclopropane | C5H8 | [9] | | [265, 274] | | | | | |
| 19217-47-1 | Cyclopropane, 1-ethyl-2-methyl-, cis- | C6H12 | | | [274] | | | | | |
| 74685-56-6 | 2-(methylenebutyl)-cyclopropane | C8H14 | | | | | | | [110] | |
| 2511-91-3 | Pentylcyclopropane / 1-cyclopropylpentane | C8H16 | | | | [409] | | | [111] | |
| 6976-27-8 | Cyclopropane, (1,2-dimethylpropyl)- | C8H16 | | | | [409] | [167] | | | |
| 62238-08-8 | Cyclopropane, 1-ethyl-2-pentyl | C10H20 | | | [277] | | | | | |
| 62238-04-4 | Cyclopropane, 1,2-dimethyl-1-pentyl- | C10H20 | | | [388] | | | | | |
| <i>Cyclobutanes, cyclobutenes</i> | | | | | | | | | | |
| 287-23-0 | cyclobutane | C4H8 | [223] | | [408] | | | | | |
| 14296-80-1 | Cyclobutane, 1,2-bis(methylene)- | C6H8 | | | | | | | | [241] |
| 52097-85-5 | 2-propenylidene-cyclobutene | C7H8 | [223] | | | | | [126] | | |
| <i>Cyclopentanes</i> | | | | | | | | | | |

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|------------|---|-------|-----|--|-------|-----------------|------------|
| 287-92-3 | cyclopentane | C5H10 | [9] | [6, 277, 296, 384, 392, 406] | [155] | | |
| 1528-30-9 | methylenecyclopentane | C6H10 | | [6] | | | |
| 96-37-7 | methylcyclopentane | C6H12 | | [6, 261, 294, 296, 353, 378, 388, 406] | [155] | [125, 126, 131] | [110, 421] |
| 41158-41-2 | 1-methyl-2-methylenecyclopentane | C7H12 | | [408] | | | |
| 1638-26-2 | 1,1-dimethylcyclopentane | C7H14 | | [408] | | | |
| 822-50-4 | 1,2-dimethylcyclopentane, (1R,2R)-rel | C7H14 | | [408] | | | |
| 1192-18-3 | 1,2-dimethylcyclopentane, (1R,2S)-rel- | C7H14 | | [265, 408] | | | |
| 2453-00-1 | 1,3-dimethylcyclopentane | C7H14 | | [408] | | [125] | |
| 1759-58-6 | trans-1,3-dimethylcyclopentane / (E)-1,3-Dimethylcyclopentane | C7H14 | | [6, 275] | | | |
| 2532-58-3 | cis-1,3-dimethylcyclopentane | C7H14 | | | | [125] | |
| 2452-99-5 | Cyclopentane, 1,2-dimethyl | C7H14 | | [277] | | | |
| 1640-89-7 | Ethylcyclopentane | C7H14 | | [388] | | | |
| 91884-67-2 | 1,2-dimethyl-3-methylenecyclopentane | C8H14 | | [408] | | | |
| 930-89-2 | 1-ethyl-2-methylcyclopentane | C8H16 | | [408] | | | |
| 15890-40-1 | 1,2,3-trimethylcyclopentane, (1alpha,2alpha,3beta)- | C8H16 | | [408] | | | |
| 2815-57-8 | 1,2,3-trimethylcyclopentane | C8H16 | | [408] | | | |

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|----------------------|--|--------|----------|-------|-------|
| 2815-58-9 | 1,2,4-trimethylcyclopentane | C8H16 | [6] | [167] | |
| 2040-96-2 | Cyclopentane, propyl | C8H16 | [277] | | |
| 50876-33-0 | Cyclopentane, 1,1,3,3-tetramethyl- | C9H18 | | | [241] |
| 75873-01-7 | 1-methyl-3-(2-methyl-1-propenyl)-cyclopentane | C10H18 | | | [110] |
| 75873-00-6 | 1-methyl-3-(2-methyl-2-propenyl)-cyclopentane | C10H18 | | | [110] |
| 4413-21-2 | 1,1'-ethylidenebis-cyclopentane | C12H22 | | | [110] |
| <i>Cyclopentenes</i> | | | | | |
| 142-29-0 | cyclopentene | C5H8 | [6] | | |
| 693-89-0 | 1-methyl-1-cyclopentene | C6H10 | [6] | | |
| 1120-62-3 | 3-methyl-1-cyclopentene / 3-methylcyclopentene | C6H10 | [6, 274] | | |
| 1759-81-5 | 1-methyl-3-cyclopentene / 4-methylcyclopentene | C6H10 | [408] | | |
| 14548-32-4 | 4-methylene-1-cyclopentene | C6H8 | [408] | | |
| 930-26-7 | 3-methylene-1-cyclopentene | C6H8 | [408] | | |
| 19037-72-0 | 4,4-dimethyl-1-cyclopentene | C7H12 | [6] | | |
| 7459-71-4 | 3,5-dimethyl-1-cyclopentene | C7H12 | [408] | | |
| 16491-15-9 | 1,2-dimethyl-2-cyclopentene | C7H12 | [408] | | |
| 2146-38-5 | 1-ethyl-1-cyclopentene | C7H12 | [408] | | |
| 19780-56-4 | 1-ethyl-2-methylcyclopentene | C8H14 | [408] | | |
| 97797-57-4 | 1-ethyl-5-methylcyclopentene | C8H14 | [6] | | |
| 1462-07-3 | 1-isopropyl-1-cyclopentene | C8H14 | [408] | | |

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|-------------------------|--|--------|-------|--|-------|-------|
| 473-91-6 | 1,2,3-trimethyl-1-cyclopentene | C8H14 | | [408] | | |
| 37689-15-9 | 1-(3-methylbutyl)-cyclopentene | C10H18 | | | | [110] |
| <i>Cyclopentadienes</i> | | | | | | |
| 123278-27-3 | 1,3-bis(1-methylethyl)-1,3-cyclopentadiene | C11H18 | | | | [110] |
| 542-92-7 | 1,3-cyclopentadiene | C5H6 | | [6, 57, 324] | | |
| 96-38-8 | 5-methyl-1,3-cyclopentadiene | C6H8 | | [6] | | |
| 96-39-9 | 1-methyl-1,3-cyclopentadiene | C6H8 | | [6] | | |
| 4784-86-5 | 1,2-dimethyl-1,3-cyclopentadiene | C7H10 | | [408] | | |
| 4125-18-2 | 5,5-dimethyl-1,3-cyclopentadiene | C7H10 | | [6] | | |
| 2175-91-9 | 1,3-Cyclopentadiene, 5-(1-methylethylidene)- | C8H10 | | [369] | | |
| 496862-86-3 | 5,5-dimethyl-1-ethyl-1,3-cyclopentadiene | C9H14 | [194] | | | |
| <i>Cyclohexanes</i> | | | | | | |
| 110-82-7 | cyclohexane | C6H12 | [222] | [6, 261, 265, 294, 332, 340, 353, 358, 361, 396, 397, 406] | [155] | [110] |
| 1192-37-6 | 1-methylenecyclohexane | C7H12 | | [408] | | |
| 108-87-2 | methylcyclohexane | C7H14 | [222] | [55, 57, 261, 289, 294, 374, 378, 396] | | [126] |

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|-----------|---|-------|------------|-------|
| 1003-64-1 | ethylidenecyclohexane / cyclohexane, ethylidene- | C8H14 | [408] | |
| 2808-75-5 | 1-Methyl-2- methylenecyclohexane | C8H14 | [388] | |
| 590-66-9 | 1,1-dimethylcyclohexane | C8H16 | [408] | |
| 583-57-3 | 1,2-dimethylcyclohexane | C8H16 | [408] | |
| 6876-23-9 | 1,trans-2- dimethylcyclohexane | C8H16 | [408] | |
| 638-04-0 | 1,3-dimethylcyclohexane | C8H16 | [57, 408] | |
| 589-90-2 | 1, 4-dimethylcyclohexane | C8H16 | [296] | |
| 2207-04-7 | 1,4-dimethylcyclohexane, trans- | C8H16 | [408] | |
| 1678-91-7 | ethylcyclohexane | C8H16 | [383, 408] | |
| 5664-10-8 | 2-propenylidenecyclohexane | C9H14 | [408] | |
| 5749-72-4 | (1-methylethylidene)- cyclohexane | C9H16 | [408] | |
| 7094-26-0 | 1,1,2-trimethylcyclohexane | C9H18 | [408] | |
| 1678-81-5 | 1,2,3-trimethylcyclohexane | C9H18 | [408] | [241] |
| 7667-55-2 | 1,2,3-trimethyl-cyclohexane, (1R,3R)-rel- | C9H18 | [408] | |
| 2234-75-5 | 1,2,4-trimethylcyclohexane | C9H18 | [6, 341] | |
| 1839-63-0 | 1,3,5-trimethylcyclohexane ui | C9H18 | [408] | |
| ui | ethyl methylcyclohexane ui | C9H18 | | [155] |

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|------------|---|--------|---------------|-------|
| 696-29-7 | 1-methylethylcyclohexane | C9H18 | | [125] |
| 3728-55-0 | 1-ethyl-3-methylcyclohexane | C9H18 | [6, 403, 404] | |
| 19489-10-2 | (cis)-1-ethyl-3-methylcyclohexane | C9H18 | [6, 403, 404] | |
| 3728-56-1 | 1-ethyl-4-methylcyclohexane | C9H18 | [6] | |
| 6236-88-0 | trans-1-ethyl-4-methylcyclohexane | C9H18 | [408] | |
| 1678-92-8 | n-propylcyclohexane | C9H18 | [374, 408] | [241] |
| 89656-98-4 | (2-methyl-1-propenyl)-cyclohexane | C10H18 | [408] | |
| 6252-33-1 | 1-isopropenyl-4-methylcyclohexane / Cyclohexane, 1-methyl-4-(1-methylethenyl) | C10H18 | [364, 408] | |
| 13837-71-3 | Cyclohexane, 1-methylene-3-(1-methylethyl) | C10H18 | [60] | |
| 99-82-1 | menthane / 1-Methyl-4-(1-methylethyl)-cyclohexane / p-menthane | C10H20 | | [178] |
| 16580-24-8 | m-menthane | C10H20 | [408] | |
| 1678-98-4 | 2-methylpropylcyclohexane | C10H20 | | [125] |
| 3642-13-5 | Cyclohexane, 1,2-diethyl- | C10H20 | [364] | |
| na | Cyclohexane, 1-ethyl-1, 3-dimethyl- | C10H20 | [364] | |

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|---------------------|---|--------|-------|------------|-------|
| 56763-62-3 | 4-methyl-2-methylene-1-(1-methylethylidene)-cyclohexane | C11H18 | | | [110] |
| 4292-92-6 | 1-cyclohexylpentane | C11H22 | | [277, 408] | |
| 61142-37-8 | Cyclohexane, (1,2-dimethylbutyl)- | C12H24 | | [364] | |
| 62337-99-9 | 1,2-dimethyl-3,5-bis(1-methylethenyl)-cyclohexane | C14H24 | | | [110] |
| 33880-83-0 | beta-elemene | C15H24 | | | [110] |
| 610770-63-3 | 1,1,2-trimethyl-3,5-bis(1-methylethenyl)cyclohexane | C15H26 | | | [110] |
| 55030-21-2 | 2-(cyclohexylmethyl)pentylcyclohexane / 1-Cyclohexyl-2-(cyclohexylmethyl) pentane | c18H34 | | [366] | |
| na | 1,3-Dimethyl-(3,7-dimethyloctyl)cyclohexane | C18H36 | [253] | | |
| <i>Cyclohexenes</i> | | | | | |
| 110-83-8 | cyclohexene | C6H10 | [257] | [274, 408] | |
| 1888-90-0 | 1-methylene-2-cyclohexene | C7H10 | | [408] | |
| 591-47-9 | 4-methyl-1-cyclohexene | C7H12 | | [408] | |
| 591-49-1 | 1-methyl-1-cyclohexene | C7H12 | | [408] | |
| 100-40-3 | Cyclohexene, 4-ethenyl- / 4-Vinylcyclohexene | C8H12 | | [29] | |
| 1674-10-8 | 1,2-dimethyl-1-cyclohexene | C8H14 | | [408] | |
| 2808-76-6 | 1,3-dimethyl cyclohexene | C8H14 | | [408] | |

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| 1759-64-4 | 1,6-dimethylcyclohexene | C8H14 | | | | | | | | | [408] | |
| 1453-24-3 | 1-ethyl-1-cyclohexene | C8H14 | | | | | | | | | [408] | |
| 2808-71-1 | 3-ethyl-1-cyclohexene | C8H14 | | | | | | | | | [408] | |
| 15232-95-8 | 3-allyl-1-cyclohexene / 3-(2-propenyl)-cyclohexene | C9H14 | | | | | | | | | [408] | [110] |
| 20185-16-4 | 3,3-dimethyl-6-methylene-1-cyclohexene | C9H14 | | | | | | | | | [408] | |
| 3983-08-2 | 3-isopropyl-1-cyclohexene | C9H16 | | | | | | | | | [408] | |
| 3983-06-0 | 3-propyl-1-cyclohexene | C9H16 | | | | | | | | | [408] | |
| 503-45-7 | Cyclohexene, 3,3,5-trimethyl | C9H16 | | | | | | | | | [380] | |
| 933-12-0 | Cyclohexene, 3,5,5-trimethyl | C9H16 | | | | | | | | | [380] | |
| 1743-61-9 | 1,4-dimethyl-4-vinylcyclohexene | C10H16 | | | | | | | | | [408] | |
| 499-99-0 | isolimonene / 3-Isopropenyl-6-methylcyclohexene | C10H16 | | | | | | | | | | [110] |
| 1461-27-4 | 5-isopropenyl-1-methyl-1-cyclohexene | C10H16 | | | | | | | | | [408] | |
| 586-63-0 | isoterpinolene / 3-Isopropylidene-6-methylcyclohexene | C10H16 | | | | | | | | | | [110] |
| 138-86-3 | limonene / dl-limonene / 1-methyl-4-(1-methylethenyl)cyclohexene / Cinene / d-limonene / (+)-(R)-limonene / Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (S)- / (S)-(-)limonene | C10H16 | [9, 222] | [194, 196, 202, 250, 256, 258] | [6, 55, 57, 106, 260, 265, 277, 287, 303, 311, 326, 328, 338, 344, 353, 356, 363, 369, 371, 377, 378, 408] | [189, 190, 410] | [155, 156, 167] | [106, 126] | [110, 114, 117, 418] | | | [241] |

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|------------------------|---|--------|------------|---------------------------|--------------|-------|-------|
| 16609-28-2 | 3-methylene-1,5,5-trimethylcyclohexene | C10H16 | | | | | [110] |
| 514-95-4 | 1,5,5-trimethyl-6-methylenecyclohexene | C10H16 | [9] | | | | |
| 99-84-3 | beta-terpinene / 1-Isopropyl-4-methylenecyclohexene | C10H16 | | | [6] | | [110] |
| 586-62-9 | delta terpinene / terpinolene / 1-methyl-4-(1-methylethylidene)-cyclohexene / alpha-terpinolene | C10H16 | [247, 222] | [194, 196, 202, 257, 258] | [408] | [163] | [110] |
| 5502-88-5 | p-menthene / p-menth-1-ene / menthene | C10H18 | | | [57] | | [110] |
| 5256-65-5 | 2-menthene | C10H18 | | | [408] | | [110] |
| 1124-26-1 | trans-p-menth-2-ene | C10H18 | | | [6] | | |
| 500-00-5 | 3-menthene / p-menth-3-ene / 3-p-Menthene | C10H18 | | [202] | [6, 57, 408] | | [110] |
| 4104-56-7 | 3-(2-methylpropyl)-cyclohexene | C10H18 | | | | | [110] |
| 20307-84-0 | (3R,trans)-4-ethenyl-4-methyl-3-(1-methylethenyl)-1-(1-methylethyl)-cyclohexene | C15H24 | [9] | | | | |
| 20307-83-9 | 3-[(2S)-6-Methylhept-5-en-2-yl]-6-methylidenecyclohexene / sesquiphellandrene | C15H24 | | [253] | | | |
| <i>Cyclohexadienes</i> | | | | | | | |
| 592-57-4 | 1,3-cyclohexadiene | C6H8 | | | [6, 57, 324] | | |
| 628-41-1 | 1,4-cyclohexadiene | C6H8 | | | [57, 408] | | |

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|--|---|--------|---------------|-------------------------------------|-----------------------|-------|-------|-------|
| 4313-57-9 | 1-methyl-1,4-cyclohexadiene | C7H10 | | [194] | [6, 57, 274] | | | |
| 1489-56-1 | 1,3-Cyclohexadiene, 1-methyl- | C7H10 | | | [29] | | | |
| 4430-91-5 | 2,3-Dimethyl-1,3-cyclohexadiene | C8H12 | | | [57] | | | |
| na | 1,2-Dimethyl-1,4-cyclohexadiene | C8H12 | | | [57] | | | |
| 18368-95-1 | 1,3,8-p-menthatriene | C10H14 | | [202] | | | | [110] |
| 21195-59-5 | 1,5,8-p-menthatriene | C10H14 | [222] | [196] | [408] | | | |
| na | Phellandrene u.i. | C10H16 | | [196] | | | | |
| 555-10-2 | beta-phellandrene / 3-Isopropyl-6-methylenecyclohexene | C10H16 | [9, 222] | [194, 257] | 6, | | | [110] |
| 99-83-2 | alpha-phellandrene / 5-Isopropyl-2-methyl-1,3-cyclohexadiene | C10H16 | [9, 222, 247] | [194, 258] | [408] | | | [110] |
| 99-86-5 | alpha-terpinene / 1-methyl-4-(1-methylethyl)-1,3-cyclohexadiene | C10H16 | | [193, 194, 196, 202, 250, 257, 258] | [408] | | | [110] |
| 99-85-4 | gamma-terpinene / 1-methyl-4-(1-methylethyl)-1,4-cyclohexadiene | C10H16 | [9, 222] | [194, 196, 250, 257] | [6, 57, 60, 106, 275] | [163] | [106] | [110] |
| <i>Cyclo- heptane,heptene, heptadiene, heptatriene</i> | | | | | | | | |
| 291-64-5 | cycloheptane | C7H14 | | | [408] | | | [241] |
| 4126-78-7 | methylcycloheptane | C8H16 | | | [408] | | | |
| 628-92-2 | 1-cycloheptene | C7H12 | | | [408] | | | |
| 4054-38-0 | 1,3-cycloheptadiene | C7H10 | | | [6, 57] | | | |

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|------------|--|--------|-------|-----------------|-------|-------|
| 544-25-2 | 1,3,5-cycloheptatriene | C7H8 | [223] | [260, 369, 377] | [409] | |
| | <i>Cyclo- octane, octadiene, octateraene</i> | | | | | |
| 13151-99-0 | Cyclooctane, 1,4-dimethyl-, cis- | C10H20 | | [265] | | |
| 292-64-8 | cyclooctane | C8H16 | | [408] | | |
| 1502-38-1 | Methyl-cyclooctane | C9H18 | | | [167] | |
| 3760-14-3 | 1,5-Cyclooctadiene, 1,5-dimethyl- | C10H16 | | | | [241] |
| 629-20-9 | 1,3,5,7-cyclooctatetraene | C8H8 | [222] | [289, 364] | | |
| | <i>cyclic C10, C11, C12, C14, C16</i> | | | | | |
| 293-96-9 | Cyclodecane | C10H20 | | | | [118] |
| 294-62-2 | cyclododecane | C12H24 | | [344] | | |
| 295-17-0 | cyclotetradecane | C14H28 | | [388] | [178] | [110] |
| 6753-98-6 | alpha-caryophyllene | C15H24 | [9] | | | |
| 295-65-8 | cyclohexadecane | C16H32 | | | [178] | |
| | <i>Hydronaphthalenes</i> | | | | | |
| 2958-76-1 | Naphthalene,decahydro-2-methyl- | C11H20 | | [344] | | |
| ui | methyl decalin | C11H20 | | | [155] | |
| na | Beta-Vatirenene | C15H22 | [254] | | | |
| 523-47-7 | beta-cadinene | C15H24 | | | | [110] |
| 483-76-1 | delta-cadinene | C15H24 | | | | [110] |
| 39029-41-9 | gamma-cadinene | C15H24 | | | | |
| 17066-67-0 | eudesma-4(14)-11-diene | c15H24 | [9] | | | |

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|----------------------|--|--------|--|---------------|-------|------------------------|--|-------|-------------|
| 262352-87-4 | trans-muurola-4(14),5-diene | C15H24 | | | | [182] | | | [420] |
| 30021-74-0 | gamma-muurolene | C15H24 | | | | | | | [110] |
| 10208-80-7 | alpha-muurolene | C15H24 | | | | | | | [110] |
| 880143-55-5 | Cadinene | C15H24 | | [196] | | | | | |
| <i>Hydroazulenes</i> | | | | | | | | | |
| 88-84-6 | Beta-Guaiene | C15H24 | | [254] | | | | | |
| 1461-03-6 | Himachalene | C15H24 | | [254] | | | | | |
| <i>Other bicyclo</i> | | | | | | | | | |
| <i>Hex-</i> | | | | | | | | | |
| 285-76-7 | 1-Azabicyclo[3.1.0]hexane | C5H9N | | | | | | | [409] |
| 3387-41-5 | 4-methylene-1-(1-methylethyl)-bicyclo[3.1.0]hexane | C10H16 | | [9] | | | | | |
| 2867-05-2 | 3-thujene / 2-methyl-5-(1-methylethyl)-bicyclo[3.1.0]hex-2-ene | C10H16 | | [9] | | | | | [409] |
| <i>Hept-</i> | | | | | | | | | |
| 765-46-8 | spiro[2.4] hepta-4,6-diene | C7H8 | | [223] | | | | | |
| 529-16-8 | santene / (1R,4S)-2,3-Dimethylbicyclo[2.2.1]hept-2-ene | C9H14 | | | | [193] | | | |
| 4080-46-0 | Verbenene / 6,6-Dimethyl-4-methylenebicyclo[3.1.1]hept-2-ene | C10H14 | | | | [196] | | | |
| 79-92-5 | camphene / 2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane | C10H16 | | [9, 222] | [196] | [57, 408] | | [155] | [126] [110] |
| 13466-78-9 | 3,7,7-trimethyl-bicyclo[4.1.0]hept-3-ene / 3-carene | C10H16 | | [9, 222, 247] | | [6, 57, 106, 369, 377] | | [163] | [106] |

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|------------|---|--------|----------|----------------------|--|------------|------------|----------------------|-------|
| 29050-33-7 | (+)-4-carene | C10H16 | | [194, 250] | | | | | |
| 471-84-1 | alpha-fenchene / 7,7-Dimethyl-2-methylenebicyclo[2.2.1]heptane | C10H16 | | [196] | | | | | [110] |
| 514-14-7 | 2,7,7-trimethylbicyclo[2.2.1]hept-2-ene | C10H16 | | | | | | | [110] |
| 127-91-3 | beta-pinene | C10H16 | [9, 222] | [193, 255, 256, 258] | [6, 57, 106, 294, 300, 376] | [410] | [163] | [106] | [110] |
| 80-56-8 | alpha-pinene / 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene | C10H16 | [9, 222] | [196] | [6, 57, 106, 265, 275, 277, 296, 326, 356, 369, 377, 384, 388, 393, 405] | [185, 189] | [155, 163] | [106, 125, 126, 131] | [110] |
| 464-17-5 | Bornylene / 1,7,7-Trimethylbicyclo[2.2.1]hept-2-ene | C10H16 | | [250] | | | | | |
| 554-59-6 | 3,7,7-trimethylbicyclo[4.1.0]heptane / carane | C10H18 | | | [60, 408] | | | | |
| 554-59-6 | cis-carane / Z-carane | C10H18 | | | | | | | [110] |
| 18968-23-5 | trans-carane | C10H18 | | | | | | | [110] |
| 473-55-2 | pinane / 2,6,6-Trimethylbicyclo[3.1.1]heptane | C10H18 | | [193] | | | | | |
| 17699-05-7 | alpha-bergamotene / 2,6-Dimethyl-6-(4-methyl-3-penten-1-yl)bicyclo[3.1.1]hept-2-ene | C15H24 | [9] | | | | | | |

| | | | | | | |
|------------------|---|--------|----------|-------|------------|---------------------------|
| <i>Undec-</i> | | | | | | |
| 87-44-5 | caryophyllene / beta-caryophyllene / 4,11,11-Trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene | C15H24 | [9] | [182] | [156, 163] | [110, 112, 113, 418, 420] |
| na | (1R),(3Z),(9S)-4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-3-ene / Humulen-(V1) | C15H24 | | | | [110] |
| na | 1R,3Z,9S-2,6,10,10-tetramethylbicyclo[7.2.0]undeca-2,6-diene | C15H24 | | | | [110] |
| 118-65-0 | isocaryophyllene | C15H24 | | | | [110] |
| <i>Tricyclo-</i> | | | | | | |
| 156747-45-4 | 4,5,9,10-dehydro-isolongifolene | C15H20 | | | | [110] |
| n.a. | 1,2,3,4,4a,5,8,9,12,12a-decahydro-1,4-methanobenzocyclodecene | C15H22 | | | [125] | |
| 5208-58-2 | alpha-bourbonene | C15H24 | | | | [110] |
| 5208-59-3 | (-)-beta-bourbonene | C15H24 | | | | [110, 418] |
| 469-92-1 | beta-clovene | C15H24 | | | | [110] |
| 4545-68-0 | neoclovene | C15H24 | | | | [110] |
| 3856-25-5 | alpha-copaene / copaene | C15H24 | [9, 247] | | | [110] |
| 17699-14-8 | alpha-cubebene | C15H24 | [247] | | | [110] |
| 13744-15-5 | beta-cubebene | C15H24 | | | | [110] |
| 21747-46-6 | (+)-ledene | C15H24 | | | | [110] |
| n/a | 1S,2S,5R-1,4,4-trimethyltricyclo[6.3.1.0(2,5)]dodec-8(9)-ene | C15H24 | | | | [110] |
| 14912-44-8 | ylangene | C15H24 | | | | [110] |

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|--------------|--|--------|-------|-------|-------|
| 24959-83-9 | 2,4-Methano-1H-indene,octahydro-7a-methyl-1-methylene-5-(1-methylethyl)-, (2R,3aR,4R,5S,7aS)-rel / isosativene | C15H24 | | [344] | |
| 475-20-7 | longifolene | C15H24 | | [378] | |
| 469-61-4 | Alpha-Cedrene | C15H24 | [254] | | |
| 508-32-7 | tricyclene | C10H16 | | | [110] |
| <i>Other</i> | | | | | |
| 747-90-0 | cholesta-3,5-diene | C27H44 | | [178] | |
