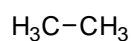


## 29.01 非環式炭化水素 (Acyclic hydrocarbons.)

### (A) 飽和非環式炭化水素( $C_nH_{2n+2}$ ) (Saturated acyclic hydrocarbons)

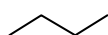
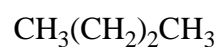
(1) エタン

(Ethane)



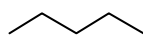
(2) ブタン

(Butanes)

*(n*-Butane)

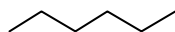
(3) ペンタン

(Pentanes)

*(n*-Pentane)

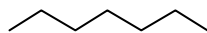
(4) ヘキサン

(Hexanes)

*(n*-Hexane)

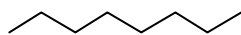
(5) ヘプタン

(Heptanes)

*(n*-Heptane)

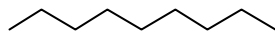
(6) オクタン

(Octanes)

*(n*-Octane)

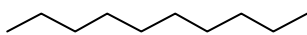
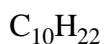
(7) ノナン

(Nonanes)

*(n*-Nonane)

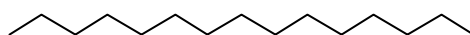
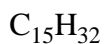
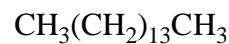
(8) デカン

(Decanes)

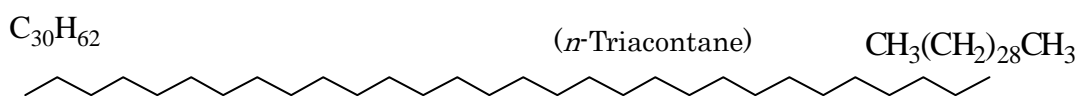
*(n*-Decane)

(9) ペンタデカン

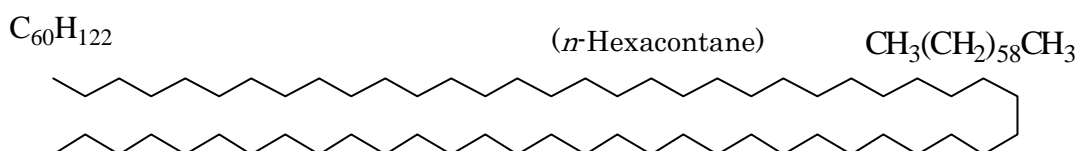
(Pentadecanes)

*(n*-Pentadecane)

- (10) トリアコンタン  
(Triacontanes)



- (11) ヘキサコンタン  
(Hexacontanes)



- (B) 不飽和非環式炭化水素  
(Unsaturated acyclic hydrocarbons)

- (1) モノエチレン系炭化水素  
(Monoethylenic hydrocarbons)

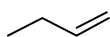
- (a) 気体のもの  
(Gaseous)

- (i) エチレン (エテン)  
(Ethylene (ethene))  
 $H_2C=CH_2$

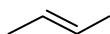
- (ii) プロペン (プロピレン)  
(Propene (propylene))



- (iii) ブテン (ブチレン)  
(Butenes (butylens))



(1-Butene)



(2-Butene)

- (b) 液体のもの  
(liquid)

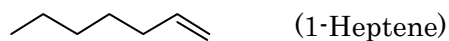
- (i) ペンテン (アミレン)  
(Pentenenes (amylenes))



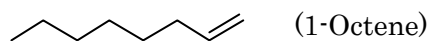
- (ii) ヘキセン  
(Hexenes)



- (iii) ヘプテン  
(Heptenes)



- (iv) オクテン  
(Octenes)

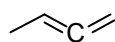


- (2) ポリエチレン系炭化水素  
(Polyethylenic hydrocarbons)

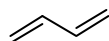
- (a) プロパジエン (アレン)  
(Propadiene (allene))



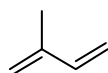
- (b) ブタ-1,2-ジエン (1,2-ブタジエン、メチルアレン)  
(Buta-1,2-diene (1,2-butadiene, methylallene))



- (c) ブタ-1,3-ジエン (1,3-ブタジエン)  
(Buta-1,3-diene (1,3-butadiene))



- (d) 2-メチルブタ-1,3-ジエン (イソプレン)  
(2-Methylbuta-1,3-diene (isoprene))



(3) アセチレン系炭化水素 一般式 ( $C_nH_{2n-2}$ )  
(Acetylene series)

(a) プロピン (アリレン、メチルアセチレン)  
(Propyne (allylene, methylacetylene))

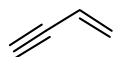


(b) ブチン (エチルアセチレン)  
(Butyne (ethylacetylene))



(4) エチレンアセチレン系炭化水素  
(Ethylene-acetylene hydrocarbons)

— ビニルアセチレン  
(Vinylacetylene)



— メチルビニルアセチレン  
(Methylvinylacetylene)

