

Die homologe Reihe der Alkane

(allgemeine Summenformel: $C_n H_{2n+2}$)

Namen	Summenformeln	Strukturformeln
Methan	CH_4	<pre> H H-C-H H </pre>
Ethan	C_2H_6	<pre> H H H-C-C-H H H </pre>
Propan	C_3H_8	<pre> H H H H-C-C-C-H H H H </pre>
Butan	C_4H_{10}	<pre> H H H H H-C-C-C-C-H H H H H </pre>
Pentan	C_5H_{12}	<pre> H H H H H H-C-C-C-C-C-H H H H H H </pre>
Hexan	C_6H_{14}	<pre> H H H H H H H-C-C-C-C-C-C-H H H H H H H </pre>
Heptan	C_7H_{16}	<pre> H H H H H H H H-C-C-C-C-C-C-C-H H H H H H H H </pre>
Octan	C_8H_{18}	<pre> H H H H H H H H H-C-C-C-C-C-C-C-C-H H H H H H H H H </pre>
Nonan	C_9H_{20}	<pre> H H H H H H H H H H-C-C-C-C-C-C-C-C-C-H H H H H H H H H H </pre>
Decan	$C_{10}H_{22}$	<pre> H H H H H H H H H H H-C-C-C-C-C-C-C-C-C-C-H H H H H H H H H H H </pre>
Undecan	$C_{11}H_{24}$	usw.
Dodecan	$C_{12}H_{26}$	
Tridecan	$C_{13}H_{28}$	
Tetradecan	$C_{14}H_{30}$	
Pentadecan	$C_{15}H_{32}$	
Hexadecan	$C_{16}H_{34}$	
Heptadecan	$C_{17}H_{36}$	
Octadecan	$C_{18}H_{38}$	
Nonadecan	$C_{19}H_{40}$	
Eikosan	$C_{20}H_{42}$	
Heneikosan	$C_{21}H_{44}$	
Dokosan	$C_{22}H_{46}$	
Trikosan	$C_{23}H_{48}$	
Tetrakosan	$C_{24}H_{50}$	
Pentakosan	$C_{25}H_{52}$	