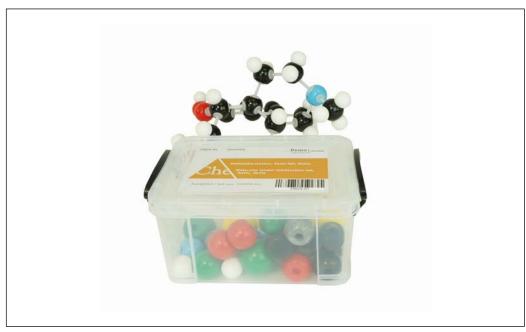


## Molecular model construction set, basic, demo, ball sizes 30/40/50 mm

39829-01

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## **Operating instructions**

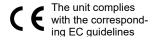


Abb. 1: 39829-01 Molecular model constructions set, basic, demo, ball sizes 30/40/50 mm

Amply equipped molecular construction kit with large spheres of 30 (hydrogen), 40 (e.g. carbon) and 50 mm diameter (chlorine and sulphur), ideal for frontal teaching, for building open-chain (acyclic) and ring-shaped (cyclic) organic standard molecules in the form of open sphere-rod models or as room-filling dome models, as they are the subject at school and in the early semesters of university education; e.g. alkanes, alkenes, alkynes, alcohols, amines, haloalkanes, mercaptans and many more: Alkanes, alkenes, alkynes, alcohols, amines, haloalkanes, mercaptans, and many more. Also suitable for the investigation of different conformations and stereoisomers.

if it	Sook	and the same					
Ethane (H₃C-CH₃)	Ethylene (H <sub>2</sub> C=CH <sub>2</sub> )	Acetylene (HC≡CH)	Nitrogen (N <sub>2</sub> )				
-	•						
Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	Acetaldehyde (CH₃CHo)	Acetic acid (CH <sub>3</sub> COOH)	Oxygen (O <sub>2</sub> )				
Common molecular scale model							
Methane	Ethylene (H <sub>2</sub> C=CH <sub>2</sub> )	Acetylene (HC≡CH)	Benzene (C <sub>6</sub> H <sub>6</sub> )				
	Ethylene	Acetylene	Benzene				

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Atoms	Holes (Angle)	Color	Dia. (mm)	Qty.	Drawing		
H-Hydrogen	1	White	30	24	$\Theta$		
C-Carbon	2 (180°) Linear	Black	40	2	•		
C-Carbon	3 (120°) Triagonal planar	Black	40	8	<b>©</b>		
C-Carbon	4 (109°28') Tetrahedral	Black	40	12			
O-Oxygen	1	Red	40	2	5		
O-Oxygen	2 (105°) Bent	Red	40	4	<b>●</b>		
N-Nitrogen	3 (107°) Trigonal pyramidal	Blue	40	2	<b>%</b>		
N-Nitrogen	4 (109°28') Tetrahedal	Blue	40	2			
Halogen	1	Green	40	4			
Metal	1	Grey	40	2	0		
Cl-Chlorine	1	Green	50	2			
S-Sulphur	2 (105°) Bent	Yellwo	50	2	<b>63</b>		
Links		Color	Lenght (mm)	Qty.	Drawing		
Short (for space-filling models)		Translucent	15	40	0_0		
Medium (single, rigid)		Translucent	46	40	1		
Long (double/triple, flexible)		Translucent	70	24			