Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Professional Chemistry Molecular Structure Model

Product Code :

SLE/Mo/04



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Phone: +91-7082934803

Description :

Professional Chemistry Molecular Structure Model (Product Code: SLE/Mo/04) is a ball-and-connector model set used to build the structures of inorganic and organic molecules from school to university chemistry. Its colourful plastic balls and connecting keys are proportioned to indicate bond length, bond type and bond angle, so students see realistic molecular geometry. This molecular model for chemistry classes in India is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Components	Colourful plastic balls and connecting keys
Structural parameters shown	Bond length, bond type and bond angle
School-level structures	Inorganic and organic textbook molecules, such as alkanes, alkenes, alkynes, halides, alcohols, phenols, aldehydes, ketones and esters
University-level topics	Stereoisomerism, optical isomerism and the conversion between isomers
Example	Dichloroethylene (C2H2Cl2): all three isomers can be built at the same time
Product code	SLE/Mo/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Molecular Structure Model Used For?

Because the balls and connectors are proportioned to reflect bond lengths and angles, models built with this set look like the molecules they represent rather than generic stick shapes. Students can see why a triple bond is shorter than a single bond, why ethyne is linear while ethene is flat, and how the angles around carbon change from one bonding arrangement to another.

Dichloroethylene shows the set's range well: students build all three isomers side by side and compare where the chlorine atoms sit, which makes the difference between structural and cis-trans isomerism obvious. At university level, the same parts build mirror-image molecules for optical isomerism and show how one isomer converts to another when bonds are broken and re-formed.

OEM Manufacturer

The Professional Chemistry Molecular Structure Model is manufactured by Jain Scientific Equip
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