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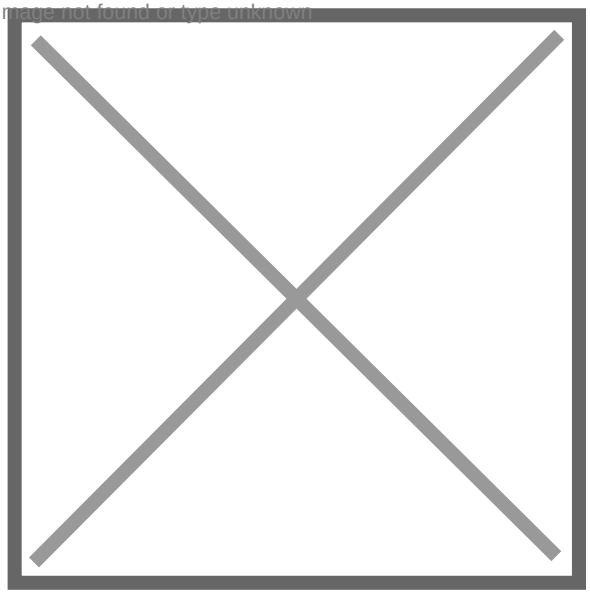
Product Name :

Molecular And Orbital Model Set – Organic Structures

Product Code :

SLE/Mo/21

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Description :

Molecular And Orbital Model Set – Organic Structures (Product Code: SLE/Mo/21) is a chemistry teaching set used to build ethane, ethene, ethyne and benzene so students can compare single, double, triple and aromatic carbon bonding in the classroom. Teachers introducing hydrocarbons and hybridisation use it because its four structures move step by step from a saturated molecule to an aromatic ring. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school chemistry lab equipment in India, at its own factory in Ambala, as a molecular model for organic chemistry lessons.

Key Details

Parameter	Detail
Structures covered	Ethane, ethene, ethyne and benzene
Model type	Molecular and orbital models of organic structures
Topic	Hydrocarbon bonding in organic chemistry
Product code	SLE/Mo/21
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Molecular and Orbital Model Set Used For?

Teachers use the set to show how carbon bonding changes across four key hydrocarbons. Ethane represents sp3 carbon with free rotation about a single bond; ethene introduces a flat sp2 carbon pair joined by a sigma and a pi bond; ethyne shows the linear sp arrangement with two pi bonds; and benzene completes the sequence with a ring of delocalised electrons. Placing orbital shapes beside the molecular structures helps students connect hybridisation theory with the geometry they can see.

A practical routine is to build the molecules in order and ask students to predict each shape before it is assembled, then compare their predictions with the finished model. The set works for demonstrations at the front of the class and for small-group revision before organic chemistry examinations, which makes it useful chemistry lab equipment for schools and colleges.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, which produces molecular model sets as an original equipment manufacturer (OEM). This organic structures set is made at the company's own licensed factory at Saha, Ambala, Haryana, so schools and distributors deal directly with the maker rather than a trading intermediary. Questions about replacement parts or repeat orders go to the same team that makes the set — just ask us. Read more on our company profile.

Related Molecule Products

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