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

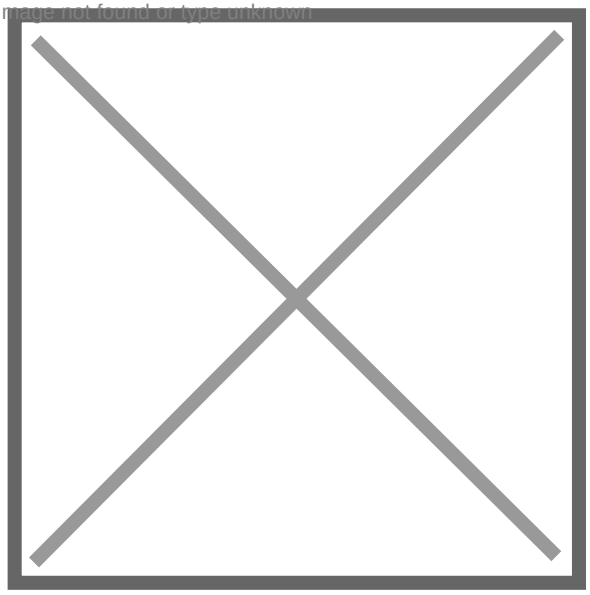
Product Name :

Molecular Model Kit, Saturated Fat – Stearic Acid

Product Code :

SLE/Mo/14

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Description :

Molecular Model Kit, Saturated Fat – Stearic Acid (Product Code: SLE/Mo/14) is a model-building kit used to assemble stearic acid, a saturated fatty acid, so students can see the long straight carbon chain typical of saturated fats. Its precision-moulded parts join firmly for handling and pack into a compartment case — a useful molecular model for organic chemistry andnutrition lessons. This kit comes from **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, anOEM manufacturer, which makes it at its own factory in Ambala, India.

Key Details

Parameter	Detail
Molecule	Stearic acid (saturated fatty acid)
Joining pieces	Designed so the model stays firmly constructed when handed around
Production	Precision-engineered moulds and materials
Case	Durable storage case with compartments for segregating parts
Parts included	Not stated in this listing — ask us
Product code	SLE/Mo/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Stearic Acid Model Kit Used For?

Stearic acid has a chain of 18 carbon atoms ending in a carboxylic acid group. Every carbon–carbon bond in the chain is single, which is what makes it saturated. The chain therefore stays straight in a zig-zag pattern, and neighbouring molecules can pack tightly — the reason fats rich in stearic acid are solid at room temperature.

Teachers use the kit to compare saturated and unsaturated fatty acids (drawing the kinked chain of an unsaturated acid on the board beside the straight model), to identify the carboxylic acid functional group and to explain how three fatty acids join glycerol to form a fat. Building two or three chains and laying them side by side is a quick way to show why straight chains pack closely.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of this stearic acid kit. It is made at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied direct to schools, colleges, dealers and importers.

Spare parts or a replacement case for kits already in use can be requested from the manufacturer — ask us for what you need. Background on the company is on the ScienceLab profile.

Related Molecule Models

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