

Bis-Acrylamide, 100G**PG-2710-100G**

Bis-Acrylamide (N,N'-Methylenebisacrylamide) is a highly effective cross-linking agent widely used in the preparation of polyacrylamide gels and polymer networks. It is commonly employed in molecular biology, biochemistry, electrophoresis, and hydrogel synthesis applications. Bis-Acrylamide provides excellent gel strength and uniform pore formation, making it an essential reagent for protein and nucleic acid separation techniques.

Parameter	Details
Product Name	Bis-Acrylamide (N,N'-Methylenebisacrylamide)
Description	A cross-linking agent used in the preparation of polyacrylamide gels, electrophoresis media, and polymer networks.
Molecular Weight	154.17 g/mol
Appearance	White to off-white crystalline powder
Formula	$C_7H_{10}N_2O_2$
Solubility	Soluble in water
pH (1% Solution)	5.0 – 7.0
CAS Number	110-26-9
Storage Condition	Store in a cool, dry, well-ventilated area in a tightly closed container. Protect from moisture, heat, and direct sunlight. Recommended storage temperature: 2–8°C.
Applications / Uses	Used as a cross-linking agent in polyacrylamide gel electrophoresis (PAGE, SDS-PAGE), hydrogel preparation, polymer synthesis, biotechnology, and molecular biology research.

Safety

Bis-Acrylamide is harmful if swallowed, inhaled, or absorbed through the skin and may cause irritation to the eyes, skin, and respiratory tract. Appropriate personal protective equipment (PPE), including safety goggles, chemical-resistant gloves, and a laboratory coat, should be worn during handling. Avoid generating dust and ensure adequate ventilation in the work area. In case of contact with eyes or skin, rinse immediately with plenty of water. If inhaled, move the affected person to fresh air and seek medical attention if symptoms persist. Store in a tightly closed container away from incompatible materials and dispose of waste according to local regulations.