

Rexar Technical Compound Datasheet

Product Name: Tris(hydroxymethyl)aminomethane

Chemical Name: Tris(hydroxymethyl)aminomethane

CAS Number: 77-86-1

PubChem CID: 6503

Synonyms:

- Tris
- Tromethamine
- THAM

Chemical Information

Molecular Formula C₄H₁₁NO₃

Molecular Weight 121.14 g/mol

IUPAC Name 2-amino-2-(hydroxymethyl)propane-1,3-diol

SMILES C(C(CO)(CO)N)O

InChIKey LENZDBCJOHFCAS-UHFFFAOYSA-N

Appearance White crystalline powder

Solubility Soluble in water; soluble in common polar solvents (grade-dependent)

Applications

- Reference compound for analytical and laboratory workflows
- pH-related method development and validation
- Chromatographic and spectroscopic evaluation (e.g. HPLC, UV)
- Stability and solubility studies under laboratory conditions

Storage & Handling

Storage Temperature 15–25 °C

Environment Dry, cool, and protected from light

Handling Use standard laboratory safety procedures

Packaging Delivered in sealed containers for laboratory use only

Additional Notes

- Offered exclusively as a technical compound for analytical purposes
- No health, nutritional, or consumer claims are associated with this product
- For detailed chemical data, visit: PubChem CID 6503