

## 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** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>

**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