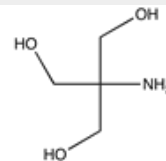


Tris-(hydroxymethyl)-aminomethane, molecular biology grade

Identification

C₄H₁₁NO₃
M = 121,14 g/mol
CAS [77-86-1]
EC number: 201-064-4
Taric code: 2922 19 85

**Synonyms**

2-Amino-2-(hydroxymethyl)-1,3-propanediol, Tromethamine, THAM, TRIS buffer

Applications

analytical chemistry, in buffer solutions, in biochemistry, laboratory reagent, in the pharmaceuticals industry, emulsifier (cosmetics), for the synthesis of: tensoactives.

Specifications

assay (acidimetric, on dried sample)..... min. 99 %	10 % in a 1 cm cell at 280 nm max. 0,02 AU
absorbance of an aqueous solution	heavy metals (as Pb)..... max. 2 ppm
10 % in a 1 cm cell at 260 nm max. 0,03 AU	water (K.F.)..... max. 0,3 %
absorbance of an aqueous solution	DNases, RNases, Proteases non detected

Physical data

- Appearance: bright elongate crystals, colourless
- Spec. Density: 1,353 g/cm³
- Bulk density: ~ 840 kg/m³
- Solub. in water: (20 °C): 800 g/l
- Melting point: 172 - 173 °C
- Boiling point: (13,3 hPa) 219 - 220 °C
- pH(6 g/l H₂O, 20 °C) 10,2 - 10,6

Safety - GHS

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C