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TRIS-RO Sigma-Aldrich

## Tris base

Synonym(s):

Tris base, Trizma base, Trometamol, 2-Amino-2-(hydroxymethyl)-1,3-propanediol, amino-2-(hydroxymethyl)-1,3-propanediol, 2-, THAM, Tris(hydroxymethyl)aminomethane

Linear Formula:

$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$

CAS Number: [77-86-1](#)

Molecular Weight: 121.14

Beilstein/REAXYS Number: 741883

MDL number: [MFCD00004679](#)

PubChem Substance ID: [329827583](#)

## PROPERTIES

description	aminopeptidase substrate
assay	≥99.9% (titration)
packaging	pkg of 1 kg (10708976001) pkg of 5 kg (11814273001)
manufacturer/tradename	Roche
useful pH range	7 - 9
pKa (25 °C)	8.1
bp	219-220 °C/10 mmHg (lit.)
mp	167-172 °C (lit.)
absorption	≤0.015 at 300 nm at 100 mg/mL
shipped in	ambient

## DESCRIPTION

### Quality

Contaminants: <0.001% PK and aldolase, each, <0.01% GOT, GPT, MDH and myokinase, each

### Other Notes

The pH values of all buffers are temperature- and concentration-dependent. For Tris buffers, pH increases about 0.03 unit per °C decrease in temperature, and decreases 0.03-0.05 unit per ten-fold dilution.

For precise applications, use a carefully calibrated pH meter with a glass/calomel combination electrode.

For life science research only. Not for use in diagnostic procedures.

### Legal Information

Trizma is a registered trademark of Sigma-Aldrich Co. LLC