



>>Entry Name: 1,4-Bis(3-aminopropoxy)butane

Synonym(s): 3,3'-[1,4-Butanediylbis(oxy)]bis-1-propanamine, 9Cl. 3,3'-(Tetramethylenedioxy)bispropylamine, 8Cl. 4,9-Dioxa-1,12-dodecanediamine

CAS Registry Number: 7300-34-7

$\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{O}(\text{CH}_2)_4\text{OCH}_2\text{CH}_2\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_{10}\text{H}_{24}\text{N}_2\text{O}_2$

Molecular Weight: 204.312

Accurate Mass: 204.183778

Percentage Composition: C 58.79%; H 11.84%; N 13.71%; O 15.66%

Use/Importance: Monomer, useful for the preparation of polyurethanes, polyamides and epoxy resins

Boiling Point: Bp_3 134-137°

Density: d_4^{20} 0.96

Refractive Index: n_D^{20} 1.4619

Aldrich: 22744-7

References:

Ger. Pat., 1952, 750 064; *CA*, **52**, 4681

Nazarov, I.N. *et al.*, *Zh. Obshch. Khim.*, 1954, **24**, 329; *CA*, **49**, 4514

Ger. Pat., 1973, 2 136 884; *CA*, **78**, 111934, (*synth*)