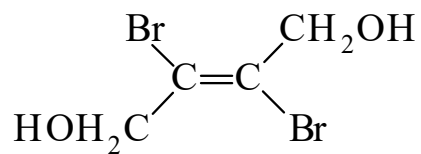




>>Entry Name: 2,3-Dibromo-2-butene-1,4-diol, 8Cl



CAS Registry Number: 3234-02-4

Related CAS Registry Numbers(s): 111513-62-3

Molecular Formula: C₄H₆Br₂O₂

Molecular Weight: 245.898

Accurate Mass: 243.913452

Percentage Composition: C 19.54%; H 2.46%; Br 64.99%; O 13.01%

Aldrich: 14370-7

>>Variant: (*E*)-form

CAS Registry Number: 21285-46-1

Molecular Formula: C₄H₆Br₂O₂

Molecular Weight: 245.898

Accurate Mass: 243.913452

Percentage Composition: C 19.54%; H 2.46%; Br 64.99%; O 13.01%

Use/Importance: Used in the manuf. of flame-retardant polyurethanes

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 112-114°

>>Derivative: Di-Ac

Molecular Formula: C₈H₁₀Br₂O₄

Molecular Weight: 329.973

Accurate Mass: 327.934582

Percentage Composition: C 29.12%; H 3.05%; Br 48.43%; O 19.39%

Melting Point: Mp 60-60.5°

Boiling Point: Bp₇ 154-155°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 282C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 182D, (*ir*)

Akhrem, A.A., *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1960, 654, (*synth*)

Fr. Pat., 1967, 1 492 303; *CA*, **69**, 43426k, (*synth*)

Ruebner, J. *et al.*, *Plaste Kautsch.*, 1986, **33**, 248; 328; 1987, **34**, 125, (*polyurethanes*)