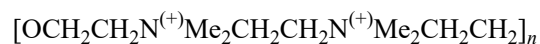




>>Entry Name: Polixetonium(1+)

ENTRY UNDER REVIEW



Molecular Formula: $\text{C}_{10}\text{H}_{24}\text{N}_2\text{O}^{2(+)}$

Molecular Weight: 188.312

Accurate Mass: 188.188863

Percentage Composition: C 63.78%; H 12.85%; N 14.88%; O 8.50%

>>**Derivative:** Dichloride

Synonym(s): Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride], 8Cl. **Polixetonium chloride**, INN, USAN. Bualta

CAS Registry Number: 31512-74-0

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

Molecular Weight: 259.218

Accurate Mass: 258.126567

Percentage Composition: C 46.34%; H 9.33%; Cl 27.35%; N 10.81%; O 6.17%

Use/Importance: Disinfectant. Sugarcane ripener

Other Data: Minimum formula given

Hazard & Toxicity: LD₅₀ (rat, orl) 1850 mg/kg

Sigma: P4519

References:

U.S. Pat., 1973, *Buckman*, 3 771 989; *CA*, **80**, 141818m, (*synth, use*)

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., *Wiley*, 1978, **18**, 7; **24**, 431

Bortel, E. *et al.*, *Makromol. Chem.*, 1987, **188**, 2019, (*synth*)