



>>Entry Name: Tributylmethylammonium(1+), 8Cl

Synonym(s): *N,N*-Dibutyl-*N*-methylbutanaminium, 9Cl

CAS Registry Number: 29814-63-9

Related CAS Registry Numbers(s): 32680-30-1 56375-79-2 60435-95-2

$(\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}_2)_3\text{N}^{(+)}\text{Me}$

Molecular Formula: $\text{C}_{13}\text{H}_{30}\text{N}^{(+)}$

Molecular Weight: 200.387

Accurate Mass: 200.237824

Percentage Composition: C 77.92%; H 15.09%; N 6.99%

>>Derivative: Bromide

CAS Registry Number: 37026-88-3

Molecular Formula: $\text{C}_{13}\text{H}_{30}\text{BrN}$

Molecular Weight: 280.291

Accurate Mass: 279.17616

Percentage Composition: C 55.71%; H 10.79%; Br 28.51%; N 5.00%

Melting Point: Mp 120.5-121.5°

Fluka: 90802

>>Derivative: Iodide

CAS Registry Number: 3085-79-8

Molecular Formula: $\text{C}_{13}\text{H}_{30}\text{IN}$

Molecular Weight: 327.291

Accurate Mass: 327.142297

Percentage Composition: C 47.71%; H 9.24%; I 38.77%; N 4.28%

Melting Point: Mp 182-185°

Fluka: 90804

Rare Chemicals Library: S45232-7

Other: PB M29600

>>Derivative: Perchlorate

CAS Registry Number: 4551-86-4

Molecular Formula: $\text{C}_{13}\text{H}_{30}\text{ClNO}_4$

Molecular Weight: 299.837

Accurate Mass: 299.186336

Percentage Composition: C 52.08%; H 10.08%; Cl 11.82%; N 4.67%; O 21.34%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 159°

>>Derivative: Picrate

CAS Registry Number: 29105-18-8

Molecular Formula: $\text{C}_{19}\text{H}_{32}\text{N}_4\text{O}_7$

Molecular Weight: 428.484

Accurate Mass: 428.227101

Percentage Composition: C 53.26%; H 7.53%; N 13.08%; O 26.14%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 28°

References:

Gleysteen, L.F. *et al.*, *J.A.C.S.*, 1947, **69**, 452, (*perchlorate*)

Grovenstein, E. *et al.*, *J.A.C.S.*, 1959, **81**, 4842, (*bromide*)

Hughes, S.R.C. *et al.*, *J.C.S.(A)*, 1967, 1093, (*iodide*)