



>>Entry Name: Dibutoline(1+)

Synonym(s): Ethyl(2-hydroxyethyl)dimethylammonium bis(dibutylcarbamate), 8Cl. (2-Dibutylcarbamoyloxyethyl)ethyldimethylammonium. Dibuline



Molecular Formula: $\text{C}_{15}\text{H}_{33}\text{N}_2\text{O}_2^{(+)}$

Molecular Weight: 273.438

Accurate Mass: 273.254203

Percentage Composition: C 65.89%; H 12.16%; N 10.24%; O 11.70%

Use/Importance: Anticholinergic, antispasmodic agent

>>Derivative: Sulfate (2:1)

Synonym(s): D6

CAS Registry Number: 532-49-0

Molecular Formula: $\text{C}_{30}\text{H}_{66}\text{N}_4\text{O}_8\text{S}$

Molecular Weight: 642.939

Accurate Mass: 642.460136

Percentage Composition: C 56.04%; H 10.35%; N 8.71%; O 19.91%; S 4.99%

Physical Description: Hygroscopic powder

Melting Point: Mp 166 dec.°

Other Data: Aq. solns. stable for 1 year

Hazard & Toxicity: LD₅₀ (rat, ipr) 22 mg/kg

>>Derivative: Iodide

CAS Registry Number: 614-12-0

Molecular Formula: $\text{C}_{15}\text{H}_{33}\text{IN}_2\text{O}_2$

Molecular Weight: 400.342

Accurate Mass: 400.158676

Percentage Composition: C 45.00%; H 8.31%; I 31.70%; N 7.00%; O 7.99%

Melting Point: Mp 76.5-78°

Other Data: Darkens on exp. to light

References:

U.S. Pat., 1946, 2 408 893; *CA*, **41**, 775c, (*synth, pharmacol*)

Kent, L.J., *Ariz. Med.*, 1950, **7**, 31, (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 359

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, DDW000