



>>Entry Name: Metalkonium(1+)

Synonym(s): *N*-[2-(Dodecylamino)-2-oxoethyl]-*N,N*-dimethylbenzenemethanaminium, 9Cl. Benzyl[(dodecylcarbamoyl)methyl]dimethylammonium, 8Cl

CAS Registry Number: 73091-68-6

$\text{H}_3\text{C}(\text{CH}_2)_{11}\text{NHCOCH}_2\text{N}^{(+)}(\text{Me})_2\text{CH}_2\text{Ph}$

Molecular Formula: $\text{C}_{23}\text{H}_{41}\text{N}_2\text{O}^{(+)}$

Molecular Weight: 361.59

Accurate Mass: 361.321888

Percentage Composition: C 76.40%; H 11.43%; N 7.75%; O 4.42%

>>Derivative: Chloride

Synonym(s): Metalkonium chloride, INN. Dodecarbonium chloride. Hydramon. Nopcocide. Straminol. Urolocide

CAS Registry Number: 100-95-8

Molecular Formula: $\text{C}_{23}\text{H}_{41}\text{ClN}_2\text{O}$

Molecular Weight: 397.042

Accurate Mass: 396.29074

Percentage Composition: C 69.58%; H 10.41%; Cl 8.93%; N 7.06%; O 4.03%

Use/Importance: Antiseptic, disinfectant

Melting Point: Mp 147-148°

Hazard & Toxicity: LD₅₀ (rat, orl) 100 mg/kg

References:

U.S. Pat., 1942, *Patchem AG*, 2 295 655; *CA*, **37**, 1232, (*synth, props*)