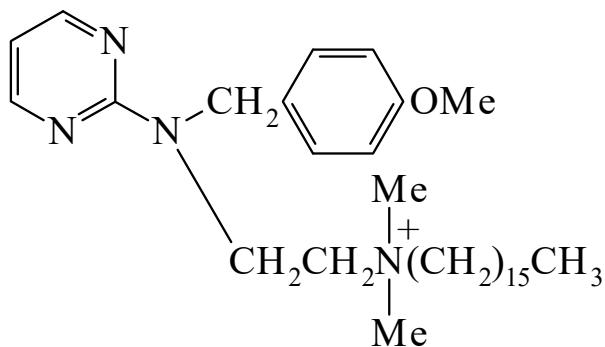




>>Entry Name: Thonzonium(1+)

Synonym(s): *N*-[2-[[[4-Methoxyphenyl)methyl]-2-pyrimidinylamino]ethyl]-*N,N*-dimethyl-1-hexadecanaminium(1+), 9Cl. Hexadecyl[2-[(*p*-Methoxybenzyl)-2-pyrimidinylamino]ethyl]dimethylammonium, 8Cl



Molecular Formula: C₃₂H₅₅N₄O⁽⁺⁾

Molecular Weight: 511.813

Accurate Mass: 511.437586

Percentage Composition: C 75.10%; H 10.83%; N 10.95%; O 3.13%

Use/Importance: Detergent, antiseptic

>>Derivative: Bromide

Synonym(s): Thonzonium bromide, USAN. Thonzide. Thonzylamine cetyl bromide. Tonzonium bromide, INN. NC 1264. NSC 5648

CAS Registry Number: 553-08-2

Molecular Formula: C₃₂H₅₅BrN₄O

Molecular Weight: 591.717

Accurate Mass: 590.375922

Percentage Composition: C 64.96%; H 9.37%; Br 13.50%; N 9.47%; O 2.70%

Melting Point: Mp 91-92°

Other Data: Component of Nebair

Sigma: T7783

References:

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Sammul, O.R. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918, (*ir*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1420