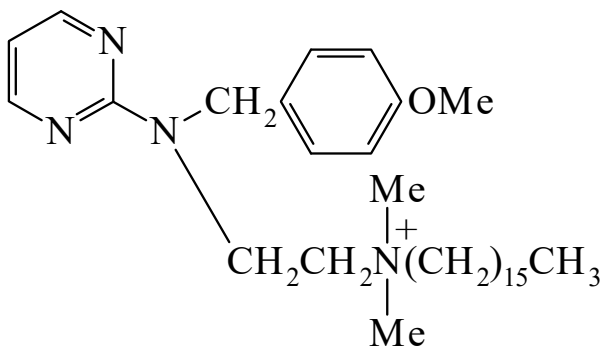
>>**Entry Name: Thonzonium(1+)**

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: $C_{32}H_{55}N_4O^{(+)}$
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: $C_{32}H_{55}BrN_4O$
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:

U.S. Pat., 1956, 2 742 470; *CA*, **57**, 2061i, *(synth, pharmacol)*
Sammul, O.R. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918, *(ir)*
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1420