



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

Synonym(s): 2-(1,2-Diphenylethoxy)-*N,N,N*-trimethylethanaminium, 9Cl. Many other names

CAS Registry Number: 59866-76-1

$\text{PhCH}_2\text{CHPhOCH}_2\text{CH}_2\text{N}^{(+)}\text{Me}_3$

Molecular Formula: $\text{C}_{19}\text{H}_{26}\text{NO}^{(+)}$

Molecular Weight: 284.42

Accurate Mass: 284.201439

Percentage Composition: C 80.24%; H 9.21%; N 4.92%; O 5.63%

>>Variant: (±)-form

Molecular Formula: $\text{C}_{19}\text{H}_{26}\text{NO}$

Molecular Weight: 284.42

Accurate Mass: 284.201439

Percentage Composition: C 80.24%; H 9.21%; N 4.92%; O 5.63%

>>Derivative: Bromide

Synonym(s): **Bibenzonium bromide**, BAN, INN. Thoragol

CAS Registry Number: 15585-70-3

Molecular Formula: $\text{C}_{19}\text{H}_{26}\text{BrNO}$

Molecular Weight: 364.324

Accurate Mass: 363.139775

Percentage Composition: C 62.64%; H 7.19%; Br 21.93%; N 3.84%; O 4.39%

Use/Importance: Antitussive

Physical Description: Cryst. (MeOH/EtOAc)

Melting Point: Mp 144-146°

References:

Ger. Pat., 1961, 1 050 774; *CA*, **55**, 13371c, (*synth, pharmacol*)

Marozzi, E. *et al.*, *Farmaco, Ed. Prat.*, 1976, **31**, 180, (*glc*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 5434, (*synonyms*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 744