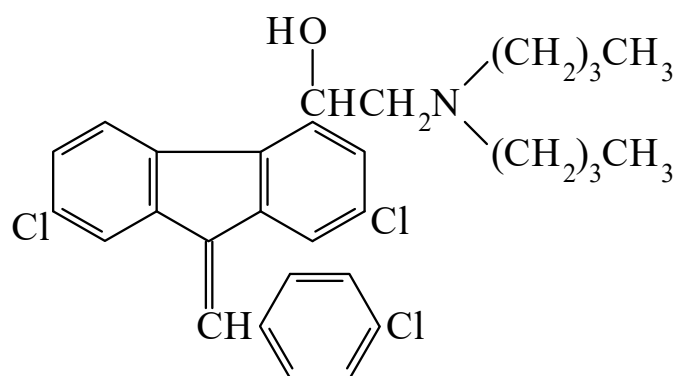




>>Entry Name: Lumefantrine, INN

Synonym(s): Fluorenemethanol, 2,7-Dichloro-9-[(4-chlorophenyl)methylene]- α -[(dibutylamino)methyl]-9H-fluorene-4-methanol, 9Cl. Benflumelol



CAS Registry Number: 82186-77-4

Related CAS Registry Numbers(s): 120583-69-9 120583-70-2 120583-71-3

Molecular Formula: C₃₀H₃₂Cl₃NO

Molecular Weight: 528.947

Accurate Mass: 527.154945

Percentage Composition: C 68.12%; H 6.10%; Cl 20.11%; N 2.65%; O 3.02%

Use/Importance: Antimalarial agent

Development Status: Riamet (artemether and lumefantrine) approved for clinical use in Switzerland (1999)

Calculated Log P Data: Log P 10.02 (uncertain value) (calc)

References:

Wang, Y. *et al.*, *CA*, 1982, **97**, 28538

Yang, Q. *et al.*, *Yaoxue Xuebao*, 1988, **23**, 921, (*resoln*)

Chinese Pat., 1990, 1 042 535; *CA*, **114**, 6046, (*synth*)

Mansor, S.M. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1996, **682**, 321-325, (*hplc*)