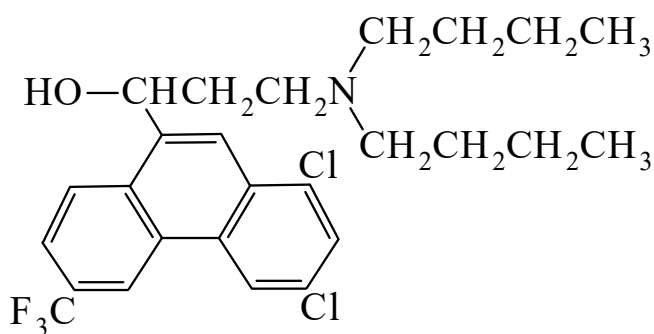




>>Entry Name: Halofantrine, BAN, INN

Synonym(s): 1,3-Dichloro- α -[2-(dibutylamino)ethyl]-6-(trifluoromethyl)-9-phenanthrenemethanol, 9Cl



CAS Registry Number: 69756-53-2

Molecular Formula: $C_{26}H_{30}Cl_2F_3NO$

Molecular Weight: 500.43

Accurate Mass: 499.165652

Percentage Composition: C 62.40%; H 6.04%; Cl 14.17%; F 11.39%; N 2.80%; O 3.20%

Use/Importance: Antimalarial drug

Development Status: Launched 1988

>>Variant: ($\pm$)-form

CAS Registry Number: 66051-63-6

Molecular Formula: $C_{26}H_{30}Cl_2F_3NO$

Molecular Weight: 500.43

Accurate Mass: 499.165652

Percentage Composition: C 62.40%; H 6.04%; Cl 14.17%; F 11.39%; N 2.80%; O 3.20%

Calculated Log P Data: Log P 8.44 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Halofantrine hydrochloride, USAN. Halfan. WR 171669

CAS Registry Number: 36167-63-2

Melting Point: Mp 93-96°. Mp 203-204°

Hazard & Toxicity: LD₅₀ (rat, orl) 3400 mg/kg. Exp. reprod. and teratogenic effects

References:

- Colwell, W.T. *et al.*, *J. Med. Chem.*, 1972, **15**, 771, (*synth, pharmacol*)
Schmidt, L.H. *et al.*, *Antimicrob. Agents Chemother.*, 1978, **14**, 292, (*pharmacol*)
Carroll, F.I. *et al.*, *J. Med. Chem.*, 1978, **21**, 326, (*resoln, pharmacol*)
Karle, J.M. *et al.*, *Acta Cryst. C*, 1989, **45**, 1248, (*cryst struct*)
Bryson, H.M. *et al.*, *Drugs*, 1992, **43**, 236, (*rev*)
Thesen, R., *Pharm. Ztg.*, 1992, **137**, 32; 39, (*rev*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 401
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, HAF500