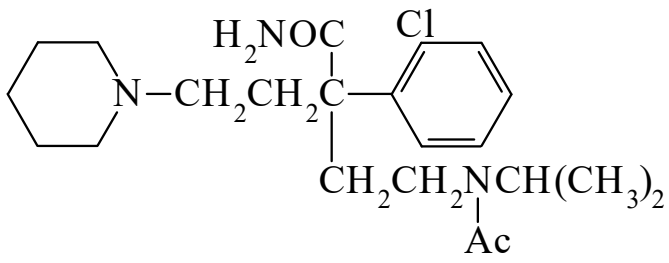
>>**Entry Name: Bidisomide,** INN, USAN

Synonym(s): α-[2-[Acetyl(1-methylethyl)amino]ethyl]-α-(2-chlorophenyl)-1-piperidinebutanamide, 9Cl. α-*o*-(Chlorophenyl)-α-[2-(*N*-isopropylacetamido)ethyl]-1-piperidinebutyramide. SC 40230



CAS Registry Number: 103810-45-3
Related CAS Registry Numbers(s): 121530-69-6 121530-70-9

Molecular Formula: $C_{22}H_{34}ClN_3O_2$
Molecular Weight: 407.982
Accurate Mass: 407.233954
Percentage Composition: C 64.77%; H 8.40%; Cl 8.69%; N 10.30%; O 7.84%
Use/Importance: Antiarrhythmic (Class Ia/Ib) agent. Cardiac depressant
pKa Value: pK_a 9.3
Experimental Log P Data: Log P 0.5 (exp)
Calculated Log P Data: Log P 1.92 (calc)

>>**Variant:** (±)-form

CAS Registry Number: 116078-65-0
Molecular Formula: $C_{22}H_{34}ClN_3O_2$
Molecular Weight: 407.982
Accurate Mass: 407.233954
Percentage Composition: C 64.77%; H 8.40%; Cl 8.69%; N 10.30%; O 7.84%
Melting Point: Mp 140-141°

References:

Desai, B.N. *et al.*, *J. Med. Chem.*, 1988, **31**, 2158, *(synth, pharmacol, pmr)*
Frederick, L.G. *et al.*, *Cardiovasc. Res.*, 1989, **23**, 897, *(pharmacol)*
Martin, C.L. *et al.*, *Drug Dev. Res.*, 1989, **17**, 51; 119, *(activity)*
Page, R.L. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1992, **51**, 371, *(pharmacol, man)*
Cook, C.S. *et al.*, *Xenobiotica*, 1993, **23**, 1299, *(pharmacokinet)*
Komori, S.*, Heart Vessels*, 1995, **10**, 7, *(pharmacol)*