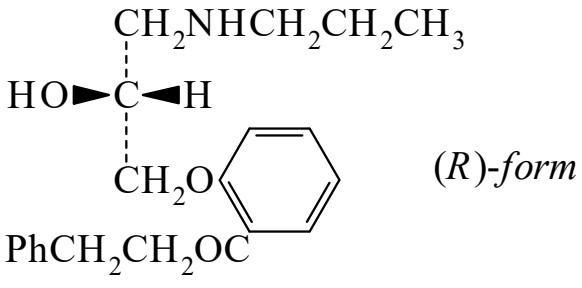
>>**Entry Name: Propafenone,** BAN, INN
Synonym(s): 1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-1-propanone, 9CI. 2'-(2-Hydroxy-3-propylaminopropoxy)-3-phenylpropiophenone, 8CI. Fenopraine



(*R*)-*form*

CAS Registry Number: 54063-53-5

Molecular Formula: $C_{21}H_{27}NO_3$
Molecular Weight: 341.449
Accurate Mass: 341.199094
Percentage Composition: C 73.87%; H 7.97%; N 4.10%; O 14.06%
Biological Use/Importance: β-Adrenergic receptor antagonist. Coronary vasodilator. Antiarrhythmic (Class Ic) agent used for the management of ventricular and supraventricular arrhythmias
Development Status: Approved 1989
Calculated Log P Data: Log P 3.42 (calc)
Hazard & Toxicity: LD_{50} (mus, orl) 440 mg/kg

Sigma: P4670

>>**Variant:** (*R*)-form

CAS Registry Number: 107381-31-7
Molecular Formula: $C_{21}H_{27}NO_3$
Molecular Weight: 341.449
Accurate Mass: 341.199094
Percentage Composition: C 73.87%; H 7.97%; N 4.10%; O 14.06%
Physical Description: Cryst. (petrol)
Melting Point: Mp 65°
Optical Rotation: $[\alpha]^{20}_{Hg365}$ –19.6 (c, 1.02 in EtOH) (98.8% ee)

>>**Derivative:** Hydrochloride

CAS Registry Number: 107381-35-1
Physical Description: Cryst. (EtOH)
Melting Point: Mp 172-174°
Optical Rotation: $[\alpha]^{22}_{Hg546}$ +8.2 (c, 0.97 in MeOH)
Sigma: P9833

>>**Variant:** (*S*)-form

CAS Registry Number: 107381-32-8
Molecular Formula: $C_{21}H_{27}NO_3$
Molecular Weight: 341.449
Accurate Mass: 341.199094
Percentage Composition: C 73.87%; H 7.97%; N 4.10%; O 14.06%
Physical Description: Cryst. (petrol)
Melting Point: Mp 65°
Optical Rotation: $[\alpha]^{20}_{Hg365}$ +18.7 (c, 1.08 in EtOH) (97.6% ee)
Other Data: More pharmacol. active isomer

>>**Derivative:** Hydrochloride

CAS Registry Number: 107381-36-2
Physical Description: Cryst. (EtOH)
Melting Point: Mp 172-174°
Optical Rotation: $[\alpha]^{21}_{Hg546}$ –8.5 (c, 1 in MeOH)
Sigma: P9708