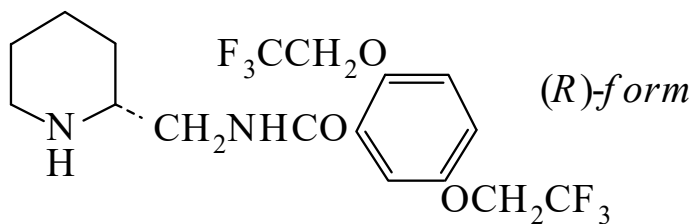




>>Entry Name: **Flecainide**, BAN, INN

Synonym(s): *N*-(2-Piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide, 9CI



CAS Registry Number: 54143-55-4

Molecular Formula:  $C_{17}H_{20}F_6N_2O_3$

Molecular Weight: 414.347

Accurate Mass: 414.137811

Percentage Composition: C 49.28%; H 4.87%; F 27.51%; N 6.76%; O 11.58%

Use/Importance: Antiarrhythmic (class Ic) agent

Calculated Log P Data: Log P 4.35 (calc)

**Hazard & Toxicity:** Adverse CNS effects and proarrhythmic activity reported when used therapeutically

>>Variant: (*R*)-form

CAS Registry Number: 99495-90-6

Molecular Formula:  $C_{17}H_{20}F_6N_2O_3$

Molecular Weight: 414.347

Accurate Mass: 414.137811

Percentage Composition: C 49.28%; H 4.87%; F 27.51%; N 6.76%; O 11.58%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 102-104°

Optical Rotation:  $[\alpha]_D^{26} -3.3$  (c, 2.86 in MeOH)

>>Derivative: Hydrochloride

CAS Registry Number: 100428-21-5

Melting Point: Mp 223-225°

Optical Rotation:  $[\alpha]_{365}^{20} -20$  (c, 0.3 in EtOH)

>>Derivative: Acetate salt

CAS Registry Number: 99495-94-0

Melting Point: Mp 152.5-154°

Optical Rotation:  $[\alpha]_D^{26} -4.5$  (c, 3.23 in MeOH)

>>Variant: (*S*)-form

CAS Registry Number: 99495-92-8

Molecular Formula:  $C_{17}H_{20}F_6N_2O_3$

Molecular Weight: 414.347

Accurate Mass: 414.137811

Percentage Composition: C 49.28%; H 4.87%; F 27.51%; N 6.76%; O 11.58%

Melting Point: Mp 104-105°

Optical Rotation:  $[\alpha]_D^{26} +3.4$  (c, 3.82 in MeOH)

>>Derivative: Hydrochloride

CAS Registry Number: 100428-20-4

Melting Point: Mp 222-225°

Optical Rotation:  $[\alpha]_{365}^{20} +20$  (c, 0.28 in EtOH)

>>Derivative: Acetate salt

CAS Registry Number: 99495-93-9

Melting Point: Mp 153-155°

Optical Rotation:  $[\alpha]_D^{24} +4.6$  (c, 3.99 in MeOH)