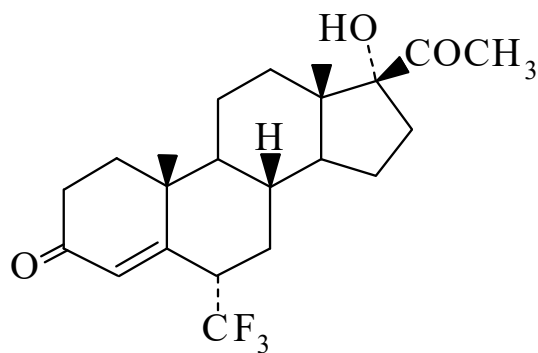




>>Entry Name: Flumedroxone, BAN, INN

Synonym(s): 17-Hydroxy-6-trifluoromethylpregn-4-ene-3,20-dione



CAS Registry Number: 15687-21-5

Molecular Formula: $C_{22}H_{29}F_3O_3$

Molecular Weight: 398.464

Accurate Mass: 398.206879

Percentage Composition: C 66.32%; H 7.34%; F 14.30%; O 12.05%

Use/Importance: Used to treat migraine

Calculated Log P Data: Log P 3.08 (uncertain value) (calc)

Other Data: Stereochem. is (6 α ,17 α OH)

>>Derivative: Ac

Synonym(s): Flumedroxone acetate. Demigran. Leomigran. WG 537

CAS Registry Number: 987-18-8

Molecular Formula: $C_{24}H_{31}F_3O_4$

Molecular Weight: 440.502

Accurate Mass: 440.217444

Percentage Composition: C 65.44%; H 7.09%; F 12.94%; O 14.53%

Use/Importance: Used in migraine treatment

Physical Description: Cryst. (2-methoxyethanol)

Melting Point: Mp 206-207°

Optical Rotation: $[\alpha]_D^{20} +30$

References:

Godtfredsen, W.O. *et al.*, *Acta Chem. Scand.*, 1961, **15**, 1786

U.K. Pat., 1962, 905 694; *CA*, **58**, 4632, (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 9048