Biological Source: From *Digitalis lanata* and *Digitalis orientalis*
Biological Use/Importance: Cardiotonic agent
Physical Description: Prisms ($MeOH/CHCl_3$)
Optical Rotation: $[\alpha]_D^{20}$+18.9 (Py)
Calculated Log P Data: Log P –0.64 (uncertain value) (calc)
Other Data: Dec. at 225°

>>**Derivative:** 4'''-Ac
Synonym(s): β**-Acetyldigoxin.** Agolanid. Kardiamed. Novodigal. Digoride A. Many other names

CAS Registry Number: 5355-48-6

Biological Source: From *Digitalis lanata*
Biological Use/Importance: Cardiotonic agent
Physical Description: Needles ($EtOH/CHCl_3$)
Optical Rotation: $[\alpha]_D^{20}$+30.4 (c, 1.2 in EtOH)
Calculated Log P Data: Log P –0.68 (uncertain value) (calc)
Other Data: Dec. at 240°

>>**Derivative:** 4'''-Me ether
Synonym(s): Medigoxin, BAN**.** Metildigoxin, INN, JAN. β-Methyldigoxin. Bernecor. Cardiolan. Digicor. Lanirapid. Lanitop. Metidi. Miopat

CAS Registry Number: 30685-43-9

Molecular Formula: $C_{42}H_{66}O_{14}$
Molecular Weight: 794.975
Accurate Mass: 794.44526
Percentage Composition: C 63.46%; H 8.37%; O 28.18%
Biological Use/Importance: Cardiotonic agent
Physical Description: Cryst.
Melting Point: Mp 227-231°
Calculated Log P Data: Log P –0.87 (uncertain value) (calc)

>>**Derivative:** 12-Deoxy
Synonym(s): Digitoxin, BAN, INN, JAN, USAN**.** Cardidigin. Crystodigin. Digisidin. Purodigin. Unidigin. Digitrin. Carditoxin

CAS Registry Number: 71-63-6

Molecular Formula: $C_{41}H_{64}O_{13}$
Molecular Weight: 764.949
Accurate Mass: 764.434695
Percentage Composition: C 64.38%; H 8.43%; O 27.19%
Biological Source: From *Digitalis purpurea, Digitalis lanata, Digitalis grandiflora, Digitalis ferruginea, Digitalis thapsi, Digitalis ciliata, Digitalis heywoodii* and others
Biological Use/Importance: Inotropic, cardiotonic agent
Melting Point: Mp 256-257° (233-236°)
Optical Rotation: $[\alpha]_D$ +4.8 (c, 1.2 in dioxan)
Calculated Log P Data: Log P 0.55 (uncertain value) (calc)
Other Data: Prob. identical with Digitophyllin

Aldrich: 85173-6
Fluka: 37030
Sigma: D6895

>>**Derivative:** 12-Deoxy, 3'-Ac
Synonym(s): γ-Acetyldigitoxin. Substance E-B-O

Molecular Formula: $C_{43}H_{66}O_{14}$
Molecular Weight: 806.986
Accurate Mass: 806.44526
Percentage Composition: C 64.00%; H 8.24%; O 27.76%
Source/Synthesis: Obt. semisynthetically from Purlanoside A (HDT19-U)
Physical Description: Needles (MeOH aq.)
Melting Point: Mp 135-142°
Optical Rotation: $[\alpha]_D^{21}$+32.4 (c, 1.37 in MeOH)