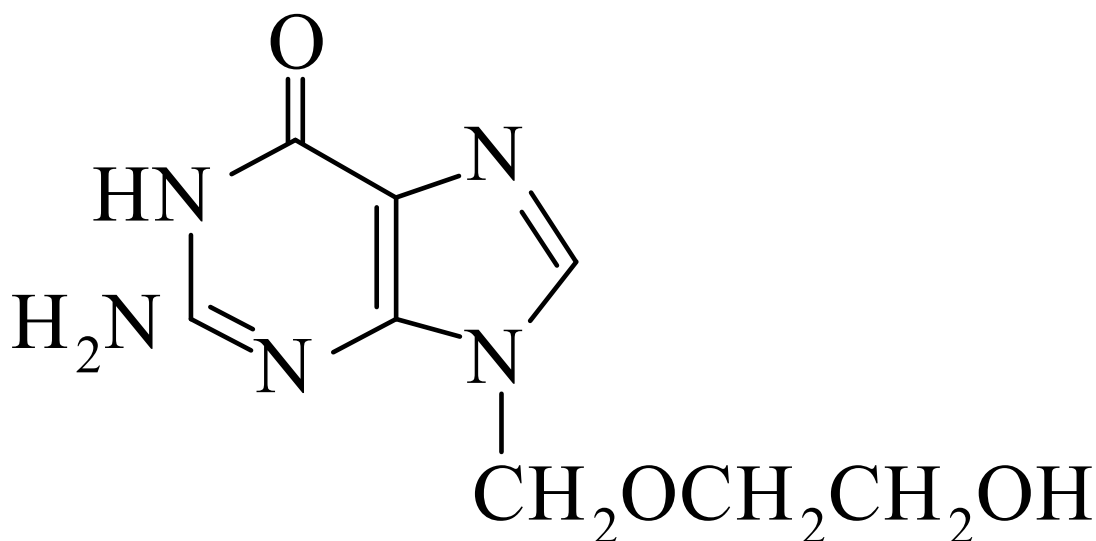




>>Entry Name: Aciclovir, BAN, INN, JAN

Synonym(s): 2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6*H*-purin-6-one, 9Cl. 9-(2-Hydroxyethoxymethyl) guanine. Acyclovir, USAN. Acycloguanosine. Activir. Avirax. Cycloviran. Geavir. Herpetad. Milavir. Soothelip. Supraviran. Virasorb. Mirolex. Virovir. Zovirax. Zyclir. BW 248U. ACG



CAS Registry Number: 59277-89-3

Related CAS Registry Numbers(s): 124832-28-6 125581-72-8 142963-59-5 142963-60-8 142963-71-1

Molecular Formula: C₈H₁₁N₅O₃

Molecular Weight: 225.207

Accurate Mass: 225.08619

Percentage Composition: C 42.67%; H 4.92%; N 31.10%; O 21.31%

Biological Use/Importance: Antiviral agent

Physical Description: Cryst. (EtOH)

Development Status: Marketed drug. Worldwide 88th best selling prescription drug (\$0.57 bn) (GlaxoSmithKline) (2000, Pharma Business)

Melting Point: Mp 225° (dec.)

Calculated Log P Data: Log P -2.3 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 860 mg/kg. Exp. reprod. and teratogenic effects

Sigma: A4669