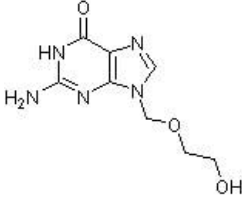


Acyclovir, viral DNA polymerase inhibitor ab120631

1 Image

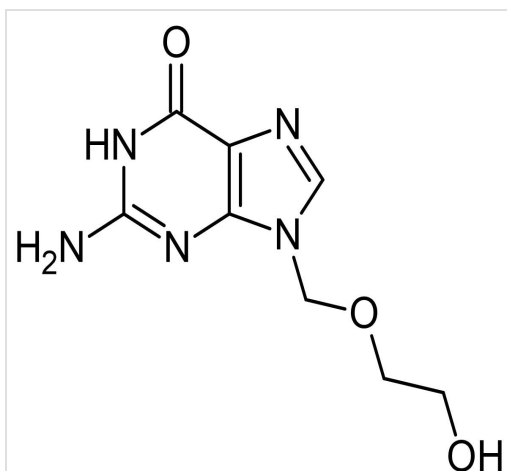
Overview

Product name	Acyclovir, viral DNA polymerase inhibitor
Description	Inhibits viral DNA polymerase. Antiherpetic agent.
Biological description	Guanosine derivative, competitively inhibits viral DNA polymerase. High specificity for herpes simplex 1 and 2 (EC ₅₀ values are 0.04 and 0.44 μM, respectively) and varicella-zoster viruses (IC ₅₀ = 0.22 μM).
Purity	> 99%
CAS Number	59277-89-3
Chemical structure	 <p>The image shows the chemical structure of Acyclovir, which is 2-amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one. It consists of a purine ring system with an amino group at position 2, a carbonyl group at position 6, and a 2-hydroxyethoxymethyl group at position 9.</p>

Properties

Chemical name	2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one
Molecular weight	225.21
Molecular formula	C ₈ H ₁₁ N ₅ O ₃
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in 1eq. HCl to 50 mM (with heating) and in DMSO to 100 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Images



Chemical Structure - Acyclovir, viral DNA polymerase inhibitor (ab120631)

2D chemical structure image of ab120631, Acyclovir, viral DNA polymerase inhibitor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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