



LKT Laboratories, Inc.

Ganciclovir

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Product Information

Product ID G0152
CAS No. 82410-32-0
Chemical Name 2-Amino-1,9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]-methyl]-6H-purin-6-one

Synonym DHPG, 2'NDG, BIOLF

Formula C₉H₁₃N₅O₄
Formula Wt. 255.23

Melting Point 250° C (dec)

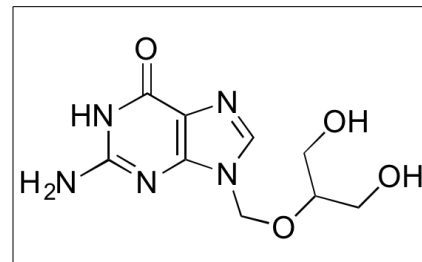
Purity ≥98%

Solubility Soluble in water (2 mg/mL),
0.1 M HCl (10 mg/mL),
DMSO (5 mg/mL), ethanol
(<1 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Ganciclovir is a guanosine nucleoside analog that exhibits antiviral activity. Ganciclovir is clinically used to treat cytomegalovirus infection; it inhibits viral DNA polymerase and acts as a chain terminator when incorporated into DNA, limiting DNA synthesis. Ganciclovir is often co-administered with HSV thymidine kinase gene therapy as a sensitizer.



Bulk quantities available upon request

Product ID	Size
G0152	50 mg
G0152	100 mg
G0152	500 mg

References Prichard MN, Kern ER. The search for new therapies for human cytomegalovirus infections. *Virus Res.* 2011 May;157(2):212-21. PMID: 21095209.

Abate-Daga D, Garcia-Rodríguez L, Sumoy L, et al. Cell cycle control pathways act as conditioning factors for TK/GCV sensitivity in pancreatic cancer cells. *Biochim Biophys Acta.* 2010 Oct;1803(10):1175-85. PMID: 20599444.

De Clercq E, Neyts J. Antiviral agents acting as DNA or RNA chain terminators. *Handb Exp Pharmacol.* 2009;(189):53-84. PMID: 19048197.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.