

## CERTIFICATE of ANALYSIS

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| <b>PRODUCT:</b>                | <b>GANCICLOVIR</b><br>2-Amino-9-[[1,3-dihydroxypropan-2-yl)oxy]methyl]-6,9-dihydro-3H-purin-6-one<br>$C_9H_{13}N_5O_4$ , M.W. 255.23, CAS#[82410-32-0]   |
| <b>PRODUCT NUMBER:</b>         | G-2431   |
| <b>LOT NUMBER:</b>             | H1162  |
| <b>APPEARANCE:</b>             | White solid.   |
| <b>SOLUBILITY:</b>             | Soluble in DMSO (~ 5 mg/ml) or H <sub>2</sub> O (~ 5 mg/ml)  |
| <b>PURITY:</b>                 | ≥ 95% by HPLC  |
| <b>DESCRIPTION:</b>            | An acyclic analog of the nucleoside guanosine, chemically related to acyclovir. It inhibits the replication of viruses including CMV, Herpes Simplex, Varicella Zoster and Epstein-Barr. It inhibits virus replication by its incorporation into viral DNA. This incorporation inhibits dATP and leads to defective DNA, ceasing or retarding the viral machinery required to spread the virus to other cells. Ganciclovir used to study the loss of telomeres and to evaluate sensitivity of viruses to antiviral agents. |
| <b>STORAGE &amp; HANDLING:</b> | Store desiccated at -20°C.   |

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS