Ganciclovir sodium

Catalog No.C10679 Batch:C1067903

Product Datasheet

Technical Data

Formula	$C_9H_{12}N_5NaO_4$					
Molecular Weight	277.21	**CAS No.**	107910-75-8			
Solubility (25°C)*	In vitro	Water	55 mg/mL (198.4 mM)			
		DMSO	9 mg/mL (32.46 mM)			
		Ethanol	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.6074 mL	18.0369 mL	36.0737 mL
5 mM	0.7215 mL	3.6074 mL	7.2147 mL
10 mM	0.3607 mL	1.8037 mL	3.6074 mL
50 mM	0.0721 mL	0.3607 mL	0.7215 mL

Biological Activity

Description	Ganciclovir Sodium (RS-21592, Cytovene IV, BW 759, 2'-Nor-2'-deoxyguanosine) is the sodium salt form of ganciclovir, a synthetic, antiviral, purine nucleoside analog with antiviral activity, especially against cytomegalovirus (CMV).
In vitro	Ganciclovir Sodium (RS-21592, Cytovene IV, BW 759, 2'-Nor-2'-deoxyguanosine) is the sodium salt form of ganciclovir, a synthetic, antiviral, purine nucleoside analog with antiviral activity, especially against cytomegalovirus (CMV).

Protocol (from reference)

Cell Assay:[1]

- **Cell lines**
  TM cells
- **Concentrations**
  0, 10, 100 μM
- **Incubation Time**
  1, 3, 5 and 7 days
- **Method**
  Cells were treated with indicated concentration of drug for several days.

Animal Study:[2]

- **Animal Models**
  C57BL/6 mice
- **Dosages**
  30 mg/kg
- **Administration**
  i.p.

References

https://pubmed.ncbi.nlm.nih.gov/31216320/ https://pubmed.ncbi.nlm.nih.gov/35708907/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

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