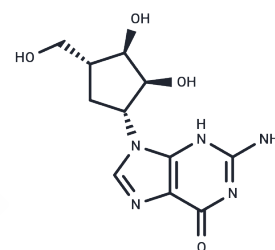


HSV-TK substrate

Chemical Properties

CAS No. :	111687-37-7
Formula:	C ₁₁ H ₁₅ N ₅ O ₄
Molecular Weight:	281.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	HSV-TK substrate is an antitumor agent that induces multi-log cytotoxicity in both HSV-TK-expressing and bystander cells.
Targets(IC50)	Others,HSV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5553 mL	17.7765 mL	35.553 mL
5 mM	0.7111 mL	3.5553 mL	7.1106 mL
10 mM	0.3555 mL	1.7777 mL	3.5553 mL
50 mM	0.0711 mL	0.3555 mL	0.7111 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Shewach DS, et al. Multi-log cytotoxicity of carbocyclic 2'-deoxyguanosine in HSV-TK-expressing human tumor cells. Hum Gene Ther. 2002 Mar 1;13(4):543-51.

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