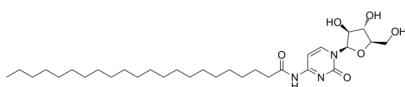


Certificate of Analysis

Catalog Number	BP13201
Product Name	Enocitabine

Physical and Chemical Properties

CAS No.	55726-47-1
Chemical Formula	C ₃₁ H ₅₅ N ₃ O ₆
Molecular Weight	565.796
Solubility	DMSO: 2 mg/mL (3.53 mM), Need ultrasonic and warming and heat to 60°C
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Enocitabine is a nucleoside analog. Enocitabine inhibits the replication of human cytomegalovirus (HCMV) and it also has antileukemic and antiviral activities. Enocitabine is also a potent DNA replication inhibitor and a DNA chain terminator.
-------------	--

In vitro	The combined effects of Pirarubicin and Enocitabine on HeLa S3 human uterine cervix carcinoma and K562 human myelocytic leukemia cells are determined by enhancement of their cytotoxic activities. Enocitabine or etoposide shows synergistic effects on HeLa S3 and K562 cells . In the presence of Enocitabine, triphosphate forms of the nucleoside analogs are detected in the human cytomegalovirus (HCMV)-infected cells, and synthesis of HCMV DNA is strongly suppressed .
----------	---

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<http://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022