Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Fiacitabine

Catalog No: tcsc0323

Available Sizes

Size: 5mg

Size: 10mg

Specifications

CAS No:
69123-90-6

Formula:
$C_9H_{11}FIN_3O_4$

Pathway:
Anti-infection

Target:
HSV

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 37 mg/mL (99.70 mM)

Alternative Names:
NSC 382097;FIAC;FOAC

Observed Molecular Weight:
371.1

Product Description

Fiacitabine(NSC 382097; FIAC; FOAC) is a selective inhibitior of DNA replication of herpes simplex virus(HSV) with IC50 values of 2.5 nM and 12.6 nM for HSV1 and HSV2, respectively.

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IC50 value: 2.5/12.6 nM (HSV1/2) [2]

Target: HSV

FIAC suppressed by 90% the replication of various strains of herpes simplex virus types 1 and 2 at concentrations of 0.0025 to 0.0126 microM. Cytotoxicity was minimal, as determined by trypan blue dye exclusion with norman Vero, WI-38, and NC-37 cell proliferation; the 50% inhibitory dose was 4 to 10 microM in a 4-day assay. FIAC was active at much lower concentrations than arabinosylcytosine, iododeoxyuridine, and arabinosyladenine. It was slightly more active against herpes simplex virus type 1 than acycloquanosine and slightly more toxic to normal cells. FIAC was about 8,000 times more active against the replication of wild-type herpes simplex virus type 1 than against a mutant strain lacking the expression of virus-specified thymidine kinase [2].