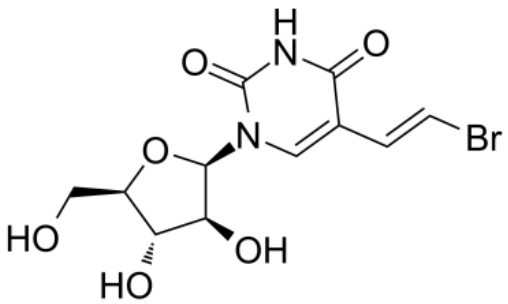
Product Data Sheet

Product Name: Sorivudine
Cat. No.: GC39552

Chemical Properties

Cas. No.	77181-69-2		
SMILES	O=C1NC(C(/C=C/Br)=CN1[C@H]2[C@H]([C@@H]([C@@H](CO)O2)O)O)=O		
Formula	$C_{11}H_{13}BrN_2O_6$	M.Wt	349.13
Solubility	DMSO: 250 mg/mL (716.07 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Sorivudine (BV-araU) is an orally active synthetic pyrimidine nucleoside antimetabolite drug. Sorivudine derives its antiviral activity from selective conversion by a specific thymidine kinase present in certain DNA viruses to nucleotides, which can in turn interfere with viral DNA synthesis[1].

[1]. Diasio RB, et al. Sorivudine and 5-fluorouracil; a clinically significant drug-drug interaction due to inhibition of dihydropyrimidine dehydrogenase. Br J Clin Pharmacol. 1998 Jul;46(1):1-4. [2]. Whitley RJ, et al. Sorivudine: a potent inhibitor of varicella zoster virus replication.Adv Exp Med Biol.

Caution: Product has not been fully validated for medical applications. For research use only.
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1996;394:41-4.