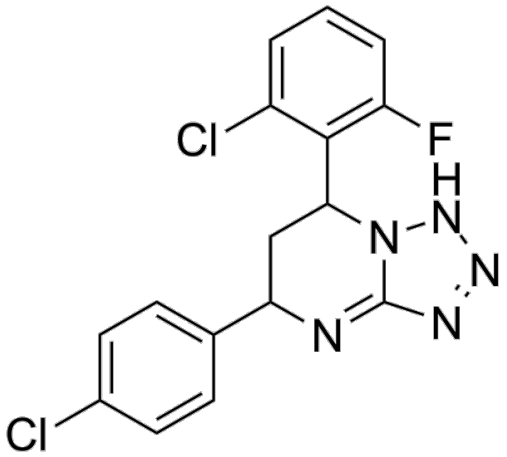
Product Data Sheet

Product Name: HBF-0259
Cat. No.: GC63003

Chemical Properties

Cas. No.	957011-15-3		
Formula	$C_{16}H_{12}Cl_2FN_5$	M.Wt	364.2
Solubility	DMSO : 250 mg/mL (686.44 mM; Need ultrasonic)	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

HBF-0259 is a potent and selective inhibitor of hepatitis B virus (HBV) surface antigen (HBsAg) secretion, with an EC50 of 1.5 μM in HepG2.2.15 cells. HBF-0259 has no effect on HBV DNA

synthesis[1][2].

HBF-0259 (0.0158-50.0 μM) inhibits the HBsAg secretion (EC50=1.5 μM) in HepDE19 cells, with an CC50 of >50 μM[1].HBF-0259 (2-8 μM) significantly reduces the abundance of both L and M in the supernatants of HepG2.2.15 cells[1].

[1]. Dougherty AM, et, al. A substituted tetrahydro-tetrazolo-pyrimidine is a specific and novel inhibitor of hepatitis B virus surface antigen secretion. Antimicrob Agents Chemother. 2007 Dec;51(12):4427-37.
[2]. Yu W, et, al. Design, synthesis, and biological evaluation of triazolo-pyrimidine derivatives as novel inhibitors of hepatitis B virus surface antigen (HBsAg) secretion. J Med Chem. 2011 Aug 25;54(16):5660-70.

Caution: Product has not been fully validated for medical applications. For research use only.
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