
Product Data Sheet

Product Name: Valopicitabine

Cat. No.: GC63248

Chemical Properties

Cas. No. 640281-90-9

Formula $C_{15}H_{24}N_4O_6$ M.Wt 356.37

Solubility Storage Store at $-20^{\circ}C$, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Valopicitabine (NM283) is a nucleoside analog and the orally bioavailable prodrug of the potent anti-HCV agent 2'-C-methylcytidine (NM107). NM107 competitively inhibits NS5B polymerase, causing chain termination[1][2].

Valopicitabine (NM283) (100 mg/kg; oral administration; Sprague-Dawley Rats) shows the C_{max} , AUC, $t_{1/2}$, and t_{max} were 3.624 $\mu g/mL$, 8.95 $\mu g h/mL$, 0.64 hours and 1 hour, respectively[2].

[1]. Pierra C, et al. Nm 283, an efficient prodrug of the potent anti-HCV agent 2'-C-methylcytidine. Nucleosides Nucleotides Nucleic Acids. 2005;24(5-7):767-70.

[2]. Pierra C, et al. Synthesis and pharmacokinetics of valopicitabine (NM283), an efficient prodrug of the potent anti-HCV agent 2'-C-methylcytidine. J Med Chem. 2006 Nov 2;49(22):6614-20.

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

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