上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话：021-61312973　　传真：021-55068248
网址：www.shyuanye.com
邮箱：shyysw@sina.com

产品名称：2'-C-甲基胞嘧啶核苷
产品别名：NM107 ；2'-C-Methylcytidine; NM-107

生物活性：

Description	NM107 (2'-C-Methylcytidine) is an nucleoside inhibitor of the hepatitis C virus (HCV) NS5B polymerase, the EC50 of NM107 in the wild-type replicon cells is 1.85 μM[1][2].
IC_{50} & Target	HCV[1]
In Vitro	NM107 (25 μM; 24 hours; Huh7-1 cells and cell culture-propagated HCV) treatment decreases extracellular viral titers and intracellular RNA levels.

RT-PCR[2]

Cell Line:	Huh7-1 cells and cell culture-propagated HCV (HCVcc)
Concentration:	25 μM
Incubation Time:	24 hours
Result:	Extracellular virus titers declined in parallel with intracellular RNA levels.

Solvent&Solubility

In Vitro:

H_2O : ≥ 50 mg/mL (194.37 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.8874 mL	19.4371 mL	38.8742 mL
	5 mM	0.7775 mL	3.8874 mL	7.7748 mL
	10 mM	0.3887 mL	1.9437 mL	3.8874 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Mathy JE, et al, Combinations of cyclophilin inhibitor NIM811 with hepatitis C Virus NS3-4A Protease or NS5B polymerase inhibitors enhance antiviral activity and suppress the emergence of resistance. Antimicrob Agents Chemother. 2008 Sep;52(9):3267-75.

[2]. Guedj J, et al. Modeling shows that the NS5A inhibitor daclatasvir has two modes of action and yields a shorter estimate of the hepatitis C virus half-life. Proc Natl Acad Sci U S A. 2013 Mar 5;110(10):3991-6.