

产品名称：溴夫定
产品别名：溴比夫定； **Brivudine**

生物活性:				
Description	Brivudine is a thymidine analogue with antiviral activity, indicated for the early treatment of acute herpes zoster.			
In Vitro	Brivudine is an analog of thymidine, and is incorporated into the viral DNA. It blocks the action of DNA polymerases, thus inhibiting viral replication. It has a stronger antiviral effect against the varicella-zoster virus compared with reference compounds such as aciclovir or penciclovir[1]. It has high, selective activity against varicella zoster virus (VZV), inhibiting VZV replication, possibly through competitive inhibition of viral DNA polymerase, or by acting as an alternative substrate to deoxythymidine triphosphate, causing viral DNA strand breakage[2].			
In Vivo	At a dose of 125 mg once daily, brivudine has proved to be superior to aciclovir with respect to reducing the period of new blister production, and has shortened the duration of post-herpetic neuralgia[1].			
Solvent&Solubility	In Vitro: DMSO : ≥ 330 mg/mL (990.57 mM) * "≥" means soluble, but saturation unknown.			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	3.0017 mL	15.0087 mL
	Stock Solutions	5 mM	0.6003 mL	3.0017 mL
		10 mM	0.3002 mL	1.5009 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℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。				
References	[1]. Rabasseda X, et al. Brivudine: a herpes virostatic with rapid antiviral activity and once-daily dosing. <u>Drugs Today (Barc)</u> . 2003 May;39(5):359-71. [2]. Keam SJ, et al. Brivudin (bromovinyl deoxyuridine). <u>Drugs</u> . 2004;64(18):2091-7; discussion 2098-9.			