



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'-DEOXYPSSEUDOURIDINE

产品别名: Deoxypseudouridine

生物活性:				
Description	Deoxypseudouridine is a nucleotide analog.			
In Vitro	Deoxypseudouridine is a nucleotide analog. Ethidium bromide staining of the gel demonstrates that the digestion of carrier DNA in both control and analog DNA samples (including Deoxypseudouridine) occur to the same extent; this indicates that the restriction enzyme is as active in the presence of the modified DNA substrate (including Deoxypseudouridine) as it is in the presence of unmodified (control) DNA. Enzymes that do not contain an AT base pair in their recognition sequence, restrict DNAs substituted with either deoxypseudouridine or deoxytubercidin as efficiently as control[1].			
Solvent&Solubility	In Vitro: DMSO : ≥ 37 mg/mL (162.14 mM) * " $\geq$ " means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	4.3821 mL	21.9106 mL
		5 mM	0.8764 mL	4.3821 mL
		10 mM	0.4382 mL	2.1911 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]. Bodnar JW, et al. Effect of nucleotide analogs on the cleavage of DNA by the restriction enzymes Alul, Ddel, HinfI, RsaI, and TaqI. J Biol Chem. 1983 Dec 25;258(24):15206-13.			

源叶生物