Product Data Sheet

Product Name: PMEDAP
Cat. No.: GC63302

Chemical Properties

Cas. No.	113852-41-8		
Formula	$C_8H_{13}N_6O_4P$	M.Wt	288.2
Solubility	0.1 M NaOH : 14.29 mg/mL (49.58 mM; ultrasonic and adjust pH to 12 with NaOH)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	PMEDAP		

Background

PMEDAP is a potent inhibitor of human immunodeficiency virus (HIV) replication. PMEDAP has anti-murine cytomegalovirus (MCMV) activity. PMEDAP is a very potent inhibitor of Moloney murine sarcoma virus (MSV)-induced tumor formation and associated mortality[1][2].

PMEDAP (0.25-5 mg/kg; IP; daily; starting on the day of MSV-infected and continuing for an additional four days) causes a dose-dependent suppression of tumor formation and mortality in newborn mice inoculated with MSV[1].

[1]. Neyts J, et al. Activity of the anti-HIV agent 9-(2-phosphonyl-methoxyethyl)-2,6-diaminopurine against cytomegalovirus in vitro and in vivo [published correction appears in Eur J Clin Microbiol Infect Dis 1993 Jul;12(7):following 477]. Eur J Clin Microbiol Infect Dis. 1993;12(6):437-446. [2]. Naesens L, et al. 9-(2-Phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP): a novel agent with anti-human immunodeficiency virus activity in vitro and potent anti-Moloney murine sarcoma virus activity in vivo. Eur J Clin Microbiol Infect Dis. 1989;8(12):1043-1047.

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