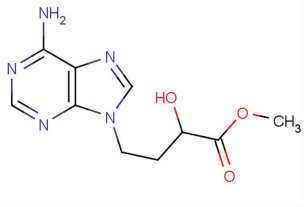
Data Sheet (Cat.No.T11134)

DZ2002

Chemical Properties



CAS No.:	33231-14-0
Formula:	C10H13N5O3
Molecular Weight:	251.24
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	DZ2002 is a potent and reversible S-Adenosyl-L-homocysteine Hydrolase(SAHH; AdoHcy Hydrolase) inhibitor with Ki of 17.9 nM. IC50 value: 17.9 nM(Ki).
Targets(IC_{50})	Others: None

Solubility Information

Solubility	DMSO: 61 mg/mL (242.80 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.98 mL	19.901 mL	39.803 mL
5 mM	0.796 mL	3.98 mL	7.961 mL
10 mM	0.398 mL	1.99 mL	3.98 mL
50 mM	0.08 mL	0.398 mL	0.796 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Wu QL, et al. Inhibition of S-adenosyl-L-homocysteine hydrolase induces immunosuppression. J Pharmacol Exp Ther. 2005 May;313(2):705-11.

2. Fu YF, et al. S-adenosyl-L-homocysteine hydrolase inactivation curtails ovalbumin-induced immune responses. J Pharmacol Exp Ther. 2006 Mar;316(3):1229-37.

3. He SJ, et al. Therapeutic effects of DZ2002, a reversible SAHH inhibitor, on lupus-prone NZB×NZW F1 mice via interference with TLR-mediated APC response. Acta Pharmacol Sin. 2014 Feb;35(2):219-29.

Inhibitors · Natural Compounds · Compound Libraries

Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481