Data Sheet (Cat.No.T14320)



ARL67156 trisodium salt

Chemical Propert	ies	
CAS No. :	1021868-83-6	0H H0
Formula:	C15H24Br2N5Na3O12P3	HO
Molecular Weight:	788.079	
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description

ARL 67156 is a weak competitive inhibitor of NTPDase1 (CD39), NTPDase3 and NPP1, with Kis of 11, 18 and 12 µM, respectively[1]. ARL67156 trisodium salt is an inhibitor of ecto-ATPase.	
Others	
ARL67156 does not significantly inhibit the activity of NTPDase2, NTPDase8, NPP3, and ecto-5'-nucleotidase (CD73), yet it diminishes their activity [1]. In addition, the trisodium salt form of ARL67156 effectively impedes UTP breakdown in superior cervical ganglion cells and enhances contractions triggered by this nucleotide in isolated rat tail artery.	

Solubility Information	
Solubility	H2O: 25 mg/mL (31.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.2689 mL	6.3445 mL	12.6891 mL	
5 mM	0.2538 mL	1.2689 mL	2.5378 mL	
10 mM	0.1269 mL	0.6345 mL	1.2689 mL	
50 mM	0.0254 mL	0.1269 mL	0.2538 mL	

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Lévesque SA, et al. Specificity of the ecto-ATPase inhibitor ARL 67156 on human and mouse ectonucleotidases. Br J Pharmacol. 2007 Sep;152(1):141-50.

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