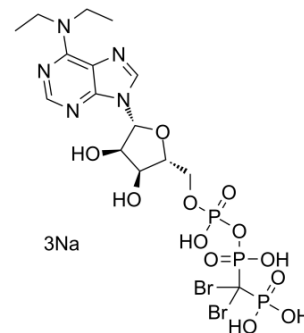


ARL67156 trisodium salt

Cat. No.:	HY-103265		
CAS No.:	1021868-83-6		
Molecular Formula:	C ₁₅ H ₂₄ Br ₂ N ₅ Na ₃ O ₁₂ P ₃		
Molecular Weight:	788.08		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (31.72 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ARL67156 trisodium salt is an inhibitor of **ecto-ATPase**. ARL 67156 is a weak competitive inhibitor of NTPDase1 (CD39), NTPDase3 and NPP1, with K_is of 11, 18 and 12 μM, respectively^[1].

IC₅₀ & Target

Ki: 11 μM (NTPDase1), 18 μM (NTPDase3), 12 μM (NPP1)^[1]

In Vitro

ARL67156 trisodium salt is also an effective inhibitor of UTP breakdown by superior cervical ganglion cells and to potentiate contractions elicited by this nucleotide in isolated tail artery of rat. ARL67156 is not an effective inhibitor of NTPDase2, NTPDase8, NPP3 and ecto-5'-nucleotidase (CD73), although it also reduces the activity of these enzymes^[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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