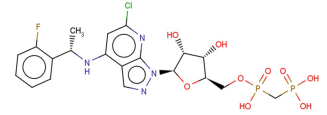


Data Sheet (Cat.No.T10216)

AB-680

Chemical Properties

CAS No.:	2105904-82-1
Formula:	C ₂₀ H ₂₄ ClFN ₄ O ₉ P ₂
Molecular Weight:	580.83
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AB-680 is a highly potent, reversible, and selective inhibitor of CD73 (an ectonucleotidase, Ki: 4.9 pM for hCD73) with anti-tumor activity, displays >10,000-fold selectivity over related ectonucleotidases CD39.
Targets(IC ₅₀)	hCD73: (ki)4.9 pM Soluble hCD73: 43 pM
In vitro	AB-680 inhibits soluble hCD73 (IC ₅₀ : 0.043 nM), also inhibits hCD73 in CHO cells, suppresses CD73 in human, mouse CD8+ T Cells and hPBMC, with IC ₅₀ s of 0.070, 0.008, 0.66 and 0.011 nM, respectively.

Solubility Information

Solubility	DMSO: 180 mg/mL (309.91 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.722 mL	8.608 mL	17.217 mL
5 mM	0.344 mL	1.722 mL	3.443 mL
10 mM	0.172 mL	0.861 mL	1.722 mL
50 mM	0.034 mL	0.172 mL	0.344 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lawson KV, et al. Discovery and Characterization of AB680, a Potent and Selective Small-Molecule CD73 Inhibitor for Cancer Immunotherapy.

Inhibitors · Natural Compounds · Compound Libraries

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