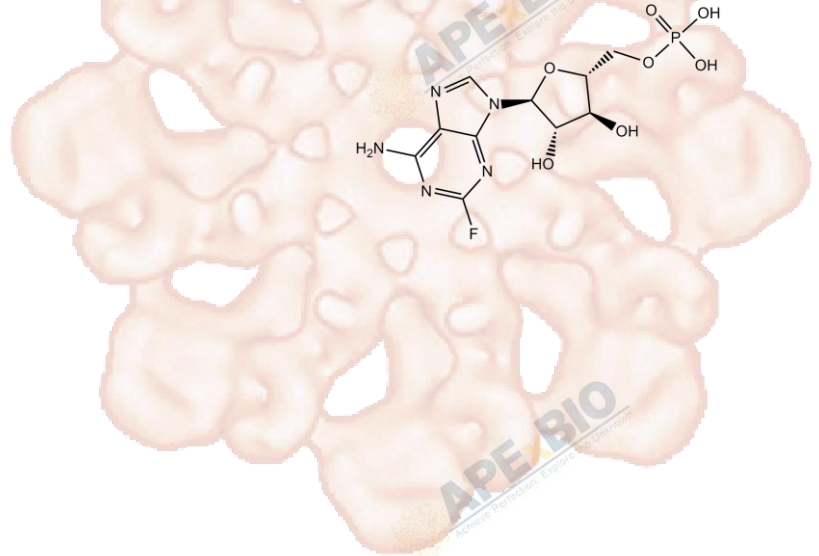


# Product Data Sheet

## Fludarabine Phosphate (Fludara)

<b>Cat. No.:</b>	A8317
<b>CAS No.:</b>	75607-67-9
<b>Formula:</b>	C <sub>10</sub> H <sub>13</sub> FN <sub>5</sub> O <sub>7</sub> P
<b>M.Wt:</b>	365.21
<b>Synonyms:</b>	Fludara
<b>Target:</b>	DNA Damage/DNA Repair
<b>Pathway:</b>	DNA Synthesis
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in EtOH;  $\geq 17.6$  mg/mL in DMSO;  $\geq 6.7$  mg/mL in H<sub>2</sub>O with gentle warming and ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	2.7382 mL	13.6908 mL	27.3815 mL
	<b>5 mM</b>	0.5476 mL	2.7382 mL	5.4763 mL
	<b>10 mM</b>	0.2738 mL	1.3691 mL	2.7382 mL

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

### Biological Activity

Shortsummary

Inhibits STAT1 activation and DNA synthesis

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1. Deng R, Zhang P, et al. "HDAC is indispensable for IFN- $\gamma$ -induced B7-H1 expression in gastric cancer." Clin Epigenetics. 2018 Dec 11;10(1):153.PMID:30537988
2. Yuan W, Deng D, et al. "Hyperresponsiveness to interferon gamma exposure as a response mechanism to anti-PD-1 therapy in microsatellite instability colorectal cancer." Cancer Immunol Immunother. 2018 Nov 7.PMID:30406373

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

**APExBIO Technology**

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