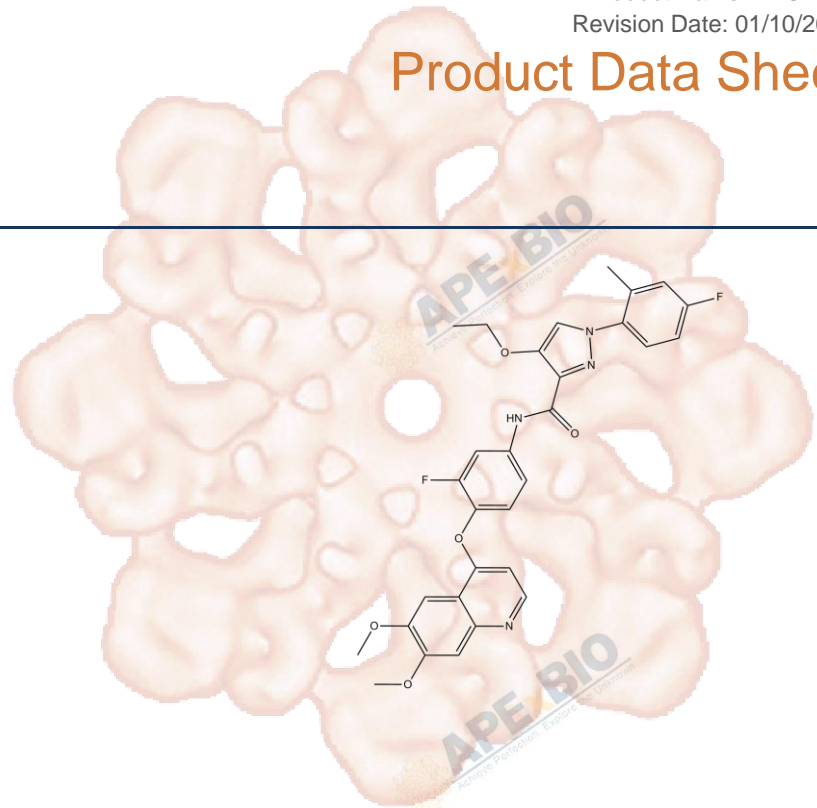


# Product Data Sheet

## LDC1267

<b>Cat. No.:</b>	B4893
<b>CAS No.:</b>	1361030-48-9
<b>Formula:</b>	C30H26F2N4O5
<b>M.Wt:</b>	560.55
<b>Synonyms:</b>	
<b>Target:</b>	Tyrosine Kinase
<b>Pathway:</b>	Axl
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

insoluble in H<sub>2</sub>O; insoluble in EtOH; ≥20.75 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	1.7840 mL	8.9198 mL	17.8396 mL
	<b>5 mM</b>	0.3568 mL	1.7840 mL	3.5679 mL
	<b>10 mM</b>	0.1784 mL	0.8920 mL	1.7840 mL

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

## Biological Activity

Shortsummary

TAM kinase inhibitor, highly selective

IC<sub>50</sub> & Target

### Cell Viability Assay

In Vitro

Cell Line:	93 cancer cell lines and 2 primary cells (i.e. IMR90 and human peripheral blood mononuclear cells)
Preparation method:	The solubility of this compound in DMSO is > 10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -

		20 °C for several months.
	Reacting conditions:	0 ~ 35 µM; 72 hrs
	Applications:	In 11 of 95 selected cell lines, LDC1267 moderately affected cell proliferation with the IC50 values of > 5 µM. In NKG2D-activated NK cells, LDC1267 abolished the inhibitory effects on cell proliferation and IFN-γ production induced by Gas6 stimulation.
In Vivo	<b>Animal experiment</b>	
	Animal models:	Mice bearing B16F10 metastatic melanomas
	Dosage form:	20 mg/kg; i.p.
	Applications:	In mice bearing B16F10 metastatic melanomas, LDC1267 efficiently increased anti-metastatic NK cell activity, and inhibited tumor metastases without severe cytotoxicity.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

## Product Citations

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

## References

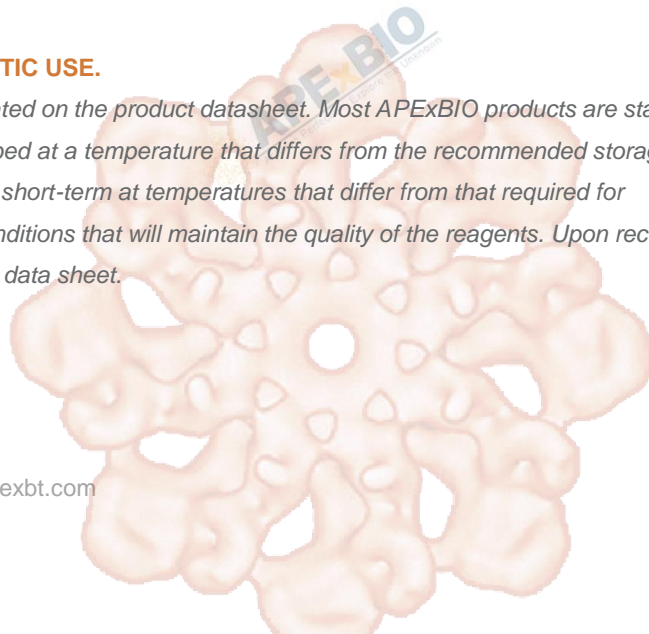
[1]. Paolino M, Choidas A2, Wallner S et al. The E3 ligase Cbl-b and TAM receptors regulate cancer metastasis via natural killer cells. Nature. 2014 Mar 27;507(7493):508-12.

## 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 APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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.



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**APEX BIO Technology**

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