

CTA 056

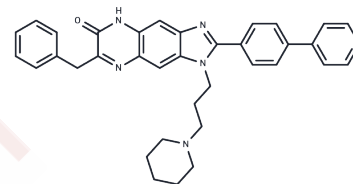
## Chemical Properties

CAS No. : 1265822-30-7

Formula: C<sub>35</sub>H<sub>34</sub>N<sub>6</sub>O

Molecular Weight: 554.68

Storage: Store at low temperature, Keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CTA 056 is an interleukin-2 induced T cell kinase (ITK) inhibitor, inhibits the growth of MOLT-4 xenograft tumors in mice, induces apoptosis in Jurkat cells, and can be used in the study of autoimmune disorders and T cell malignancies.
Targets(IC50)	Apoptosis,BTK

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8028 mL	9.0142 mL	18.0284 mL
5 mM	0.3606 mL	1.8028 mL	3.6057 mL
10 mM	0.1803 mL	0.9014 mL	1.8028 mL
50 mM	0.0361 mL	0.1803 mL	0.3606 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Guo W, et al. Molecular characteristics of CTA056, a novel interleukin-2-inducible T-cell kinase inhibitor that selectively targets malignant T cells and modulates oncomirs. Mol Pharmacol. 2012 Nov;82(5):938-47.

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