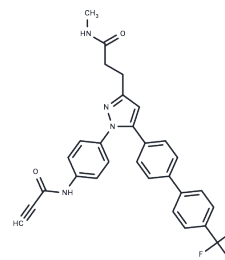


## MTP

## Chemical Properties

CAS No. :	2377372-62-6
Formula:	C <sub>29</sub> H <sub>23</sub> F <sub>3</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	516.51
Storage:	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	MTP, a PKM2 inhibitor, promotes apoptosis in cancer cells via caspase-3 activation while also inducing autophagy and enhancing ROS generation. Further, it inhibits JAK2 signaling, rendering it useful for the study of oral squamous cell carcinoma [1].
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Autophagy, JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9361 mL	9.6804 mL	19.3607 mL
5 mM	0.3872 mL	1.9361 mL	3.8721 mL
10 mM	0.1936 mL	0.968 mL	1.9361 mL
50 mM	0.0387 mL	0.1936 mL	0.3872 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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