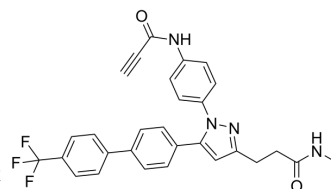


## MTP

Cat. No.:	HY-155785
CAS No.:	2377372-62-6
Molecular 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
Target:	Apoptosis; Autophagy; Reactive Oxygen Species; JAK
Pathway:	Apoptosis; Autophagy; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

MTP is a PKM2 inhibitor. MTP induces cancer cell apoptosis by modulating caspase-3 activation. MTP induces autophagy and increases ROS generation. MTP also inhibits JAK2 signaling. MTP can be used for research of oral squamous cell carcinoma<sup>[1]</sup>.

### IC<sub>50</sub> & Target

JAK2

## REFERENCES

[1]. Weng JR, et al. A PKM2 inhibitor induces apoptosis and autophagy through JAK2 in human oral squamous cell carcinoma cells. *Chem Biol Interact.* 2023 Aug 1;380:110538.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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