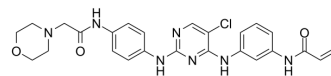


DPPY

Cat. No.:	HY-147741
CAS No.:	2095883-62-6
Molecular Formula:	C ₂₅ H ₂₆ ClN ₇ O ₃
Molecular Weight:	507.97
Target:	JAK; Btk; EGFR
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DPPY (compound 6) is a potent PTK inhibitor with IC ₅₀ values of <10, <10, <10 nM for EGFR, BTK, JAK3, respectively. DPPY shows anti-proliferative activity against B-cell lymphoma cells. DPPY has the potential for the research of idiopathic pulmonary fibrosis (IPF) ^[1] .		
IC₅₀ & Target	JAK3 <10 nM (IC ₅₀)	EGFR <10 nM (IC ₅₀)	BTK <10 nM (IC ₅₀)

REFERENCES

[1]. Zhu Y, et al. Synthesis and biological activity of thieno[3,2-d]pyrimidines as potent JAK3 inhibitors for the treatment of idiopathic pulmonary fibrosis. *Bioorg Med Chem.* 2020 Jan 15;28(2):115254.

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

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