Tubulin/JAK2-IN-1

Cat. No.: HY-156423

CAS No.: 2933938-46-4

Molecular Formula: $C_{22}H_{20}N_6O_3$

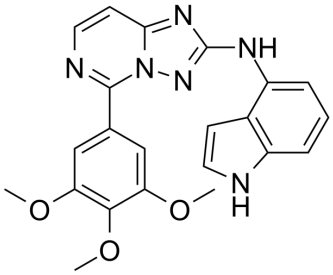
Molecular Weight: 416.43

Target: Microtubule/Tubulin; JAK

Pathway: Cell Cycle/DNA Damage; Cytoskeleton; Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (240.14 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.4014 mL	12.0068 mL	24.0136 mL
5 mM	0.4803 mL	2.4014 mL	4.8027 mL
10 mM	0.2401 mL	1.2007 mL	2.4014 mL

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

BIOLOGICAL ACTIVITY

Description

Tubulin/JAK2-IN-1 (compound 7g) is a dual inhibitor of Janus kinase 2 (JAK2) and microtubule. Tubulin/JAK2-IN-1 has potent antiproliferative activity against the cancer cells[1].

REFERENCES

[1]. Li Chen, et al. Design, Synthesis, and Antitumor Efficacy of Substituted 2-Amino[1,2,4]triazolopyrimidines and Related Heterocycles as Dual Inhibitors for Microtubule Polymerization and Janus Kinase 2. J Med Chem. 2023.

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

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