AMXI-5001

Cat. No.: HY-145734

CAS No.: 2170491-77-5

Molecular Formula: $C_{25}H_{20}FN_5O_3$

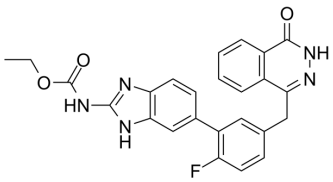
Molecular Weight: 457.46

Target: Microtubule/Tubulin

Pathway: Cell Cycle/DNA Damage; Cytoskeleton

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 : 50 mg/mL (109.30 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1860 mL	10.9299 mL	21.8598 mL
	5 mM	0.4372 mL	2.1860 mL	4.3720 mL
	10 mM	0.2186 mL	1.0930 mL	2.1860 mL

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

BIOLOGICAL ACTIVITY

Description

AMXI-5001 is a potent, orally active, and dual parp1/2 and microtubule polymerization inhibitor. MXI-5001 exhibits selective antitumor cytotoxicity across a wide variety of human cancer cells with much lower IC_{50}s than existing clinical PARP1/2 inhibitors. AMXI-5001 induces complete regression of established tumors, including exceedingly large tumors[1].

REFERENCES

[1]. Lemjabbar-Alaoui H, et al. AMXI-5001, a novel dual parp1/2 and microtubule polymerization inhibitor for the treatment of human cancers. Am J Cancer Res. 2020;10(8):2649-2676.

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

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