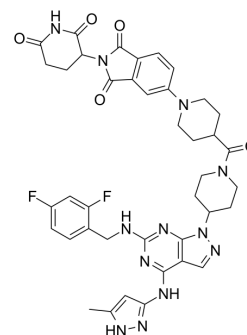


## SP27

Cat. No.:	HY-149324
Molecular Formula:	C <sub>40</sub> H <sub>40</sub> F <sub>2</sub> N <sub>12</sub> O <sub>5</sub>
Molecular Weight:	806.82
Target:	PROTACs; Polo-like Kinase (PLK)
Pathway:	PROTAC; Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 100 mg/mL (123.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.2394 mL	6.1972 mL	12.3943 mL
	5 mM		0.2479 mL	1.2394 mL	2.4789 mL
	10 mM		0.1239 mL	0.6197 mL	1.2394 mL

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

## BIOLOGICAL ACTIVITY

### Description

SP27 is a PROTAC that can selective degrades PLK4, with a DC<sub>50</sub> of 19.5 nM. SP27 can be used for the research of breast cancer<sup>[1]</sup>.

## REFERENCES

[1]. Sun Y, et, al. Discovery of the First Potent, Selective, and In Vivo Efficacious Polo-like Kinase 4 Proteolysis Targeting Chimera Degradar for the Treatment of TRIM37-Amplified Breast Cancer. J Med Chem. 2023 Jun 22;66(12):8200-8221.

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

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