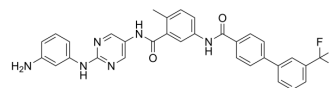


## BLK degrader 1

Cat. No.:	HY-155582		
Molecular Formula:	C <sub>32</sub> H <sub>25</sub> F <sub>3</sub> N <sub>6</sub> O <sub>2</sub>		
Molecular Weight:	582.58		
Target:	Others		
Pathway:	Others		
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 (171.65 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Mass			
		Concentration			
			1 mM	5 mM	10 mM
		1.7165 mL	8.5825 mL	17.1650 mL	
		0.3433 mL	1.7165 mL	3.4330 mL	
		0.1717 mL	0.8583 mL	1.7165 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (4.29 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.29 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	BLK degrader 1 (compound 9) is a selective degrader of B-lymphoid tyrosine kinase (BLK). BLK degrader 1 shows anticancer activity in several B-lymphoid cell lines <sup>[1]</sup> .
IC <sub>50</sub> & Target	BLK <sup>[1]</sup>

### REFERENCES

[1]. Fu T, et al. Discovery of 2,5-diaminopyrimidine derivatives as the first series of selective monomeric degraders of B-lymphoid tyrosine kinase. Eur J Med Chem. 2023 Aug 5;256:115460.

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

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