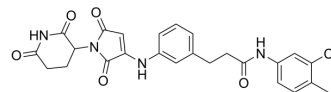


## ALV1

Cat. No.:	HY-145776		
CAS No.:	2438124-79-7		
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> ClN <sub>4</sub> O <sub>5</sub>		
Molecular Weight:	494.93		
Target:	Ligands for E3 Ligase; Molecular Glues		
Pathway:	PROTAC		
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 (101.02 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.0205 mL	10.1024 mL	20.2049 mL
		5 mM	0.4041 mL	2.0205 mL	4.0410 mL
10 mM		0.2020 mL	1.0102 mL	2.0205 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 (5.05 mM); Suspended solution; Need ultrasonic				

## BIOLOGICAL ACTIVITY

Description	ALV1 potently induces degradation of both Ikaros and Helios without unexpected off-target activity. ALV1 binds CRBN with IC <sub>50</sub> of 0.55 μM. ALV1 degrades cells stably expressing IKZF1Δ and IKZF2Δ GFP fusions with mCherry reporter with DC <sub>50</sub> s of 2.5 and 10.3 nM <sup>[1]</sup> .
IC <sub>50</sub> & Target	CK1α

## REFERENCES

[1]. Eric S Wang, et al. Acute pharmacological degradation of Helios destabilizes regulatory T cells. Nat Chem Biol. 2021 Jun;17(6):711-717.

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

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