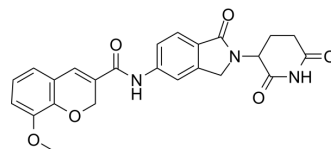


DEG-77

Cat. No.:	HY-157334		
Molecular Formula:	C ₂₄ H ₂₁ N ₃ O ₆		
Molecular Weight:	447.44		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; 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 : 50 mg/mL (111.75 mM; ultrasonic and warming and heat to 80°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.2349 mL	11.1747 mL	22.3494 mL
			5 mM	0.4470 mL	2.2349 mL	4.4699 mL
			10 mM	0.2235 mL	1.1175 mL	2.2349 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.59 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	DEG-77, a PROTAC based IKZF2 and CK1α degrader, possesses suitable pharmacokinetic properties, solubility, and selectivity for in vivo studies (t _{1/2} =8h) ^[1] .
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REFERENCES

[1]. David K Miyamoto, et al. Design and Development of IKZF2 and CK1α Dual Degraders. J Med Chem. 2023 Dec 28;66(24):16953-16979.

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

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