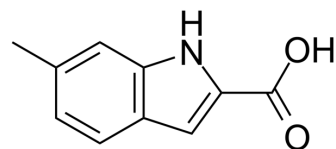


eIF4A3-IN-8

Cat. No.:	HY-33838		
CAS No.:	18474-59-4		
Molecular Formula:	C ₁₀ H ₉ NO ₂		
Molecular Weight:	175.18		
Target:	Eukaryotic Initiation Factor (eIF)		
Pathway:	Cell Cycle/DNA Damage		
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 (570.84 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.7084 mL	28.5421 mL	57.0841 mL
	5 mM	1.1417 mL	5.7084 mL	11.4168 mL
	10 mM	0.5708 mL	2.8542 mL	5.7084 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (14.27 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.27 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (14.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

eIF4A3-IN-8 is a selective ATP-competitive eukaryotic initiation factor 4A3 (eIF4A3) inhibitor. eIF4A3-IN-8 can serve as a valuable chemical probe to elucidate the detailed function of eIF4A3 and EJC (exon junction complex)^[1].

REFERENCES

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

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