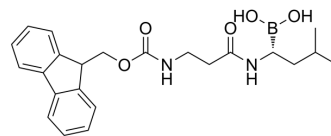


c-Myc inhibitor 6

Cat. No.:	HY-148836
CAS No.:	2768765-58-6
Molecular Formula:	C ₂₃ H ₂₉ BN ₂ O ₅
Molecular Weight:	424.3
Target:	c-Myc
Pathway:	Apoptosis
Storage:	-20°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 (235.68 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3568 mL	11.7841 mL	23.5682 mL
				5 mM	0.4714 mL	2.3568 mL	4.7136 mL
				10 mM	0.2357 mL	1.1784 mL	2.3568 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 (5.89 mM); Clear solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.89 mM); Clear solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	c-Myc inhibitor 6 (compound A102) is a c-Myc inhibitor. c-Myc inhibitor 6 decreases cancer cell viability and degrades c-Myc protein. c-Myc inhibitor 6 can be used for the research of c-Myc imbalance, such as cancer, cardiovascular diseases, and viral infection ^[1] .
In Vitro	c-Myc inhibitor 6 (0-10 μM; 72 hours) inhibits cell viability of HL-60 with an IC ₅₀ value ≈100 nM ^[1] . c-Myc inhibitor 6 (100, 300 and 1000 nM; 24 hours) dose-dependently degrades c-Myc protein in HL-60 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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