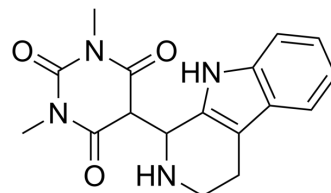


MEL24

Cat. No.:	HY-153215
CAS No.:	642072-48-8
Molecular Formula:	C ₁₇ H ₁₈ N ₄ O ₃
Molecular Weight:	326.35
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> </div> <div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div> </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (61.28 mM; ultrasonic and warming and heat to 80°C)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.0642 mL	15.3210 mL	30.6419 mL
		5 mM		0.6128 mL	3.0642 mL	6.1284 mL
		10 mM		0.3064 mL	1.5321 mL	3.0642 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 mg/mL (6.13 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	MEL24 is an Mdm2 E3 ligase inhibitor that reduces cell survival and increases sensitivity to DNA damaging agents in a p53-dependent manner for in vitro antitumor studies ^[1] .
In Vitro	MEL24 acts on 293T cell with the ED ₅₀ value of 9.2 μM ^[1] . MEL24 (15 μM, 6 h) increases levels of Mdm2, p53 and MdmX and activates p53, inhibits degradation of endogenous MdmX in HCT116 cells (p53 wild-type) ^[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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