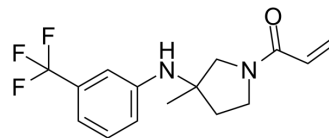


## MYF-01-37

Cat. No.:	HY-139603		
CAS No.:	2416417-65-5		
Molecular Formula:	C <sub>15</sub> H <sub>17</sub> F <sub>3</sub> N <sub>2</sub> O		
Molecular Weight:	298.3		
Target:	YAP		
Pathway:	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 : 250 mg/mL (838.08 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3523 mL	16.7617 mL	33.5233 mL
		5 mM	0.6705 mL	3.3523 mL	6.7047 mL
10 mM		0.3352 mL	1.6762 mL	3.3523 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: ≥ 2.08 mg/mL (6.97 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.97 mM); Clear solution				

## BIOLOGICAL ACTIVITY

Description	MYF-01-37 is a covalent TEAD inhibitor targeting Cys380. MYF-01-37 has a reversible inhibition on YAP/TEAD interaction <sup>[1]</sup> .
In Vitro	<p>MYF-01-37 (10 μM; 24h) results in inhibition of direct YAP/TEAD interaction in HEK 293T cells, and in the reduction in canonical YAP target gene CTGF expression in PC-9 cells<sup>[1]</sup>.</p> <p>MYF-01-37 (0.1, 1, 10, 100 μM) has minimal impact on cell viability of several EGFR-mutant NCSLC cell lines<sup>[1]</sup>.</p> <p>MYF-01-37 (10 μM; 10 days) combined with OT (combination of osimertinib and trametinib) leads to a dramatic decrease in dormant cells compared to OT alone<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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## REFERENCES

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[1]. Kari J Kurppa, et al. Treatment-Induced Tumor Dormancy through YAP-Mediated Transcriptional Reprogramming of the Apoptotic Pathway. *Cancer Cell*. 2020 Jan 13;37(1):104-122.e12.

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

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