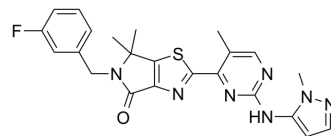


## ERK1/2 inhibitor 7

<b>Cat. No.:</b>	HY-142433
<b>CAS No.:</b>	2648455-13-2
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>22</sub> FN <sub>7</sub> OS
<b>Molecular Weight:</b>	463.53
<b>Target:</b>	ERK
<b>Pathway:</b>	MAPK/ERK Pathway; Stem Cell/Wnt
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 10 mg/mL (21.57 mM); ultrasonic and warming and heat to 60°C

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1574 mL	10.7868 mL	21.5736 mL
5 mM	0.4315 mL	2.1574 mL	4.3147 mL
10 mM	0.2157 mL	1.0787 mL	2.1574 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: ≥ 1 mg/mL (2.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 1 mg/mL (2.16 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 1 mg/mL (2.16 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

ERK1/2 inhibitor 7 is a potent ERK inhibitor with an IC<sub>50</sub> of 0.94 nM for ERK2 (WO2021110168A1, WX006)<sup>[1]</sup>.

### REFERENCES

[1]. WO2021110168A1.

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

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