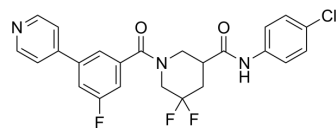


## MRTF/SRF-IN-1

<b>Cat. No.:</b>	HY-153078		
<b>CAS No.:</b>	1922098-90-5		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>19</sub> ClF <sub>3</sub> N <sub>3</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	473.87		
<b>Target:</b>	Ras		
<b>Pathway:</b>	GPCR/G Protein		
<b>Storage:</b>	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 (211.03 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1103 mL	10.5514 mL	21.1028 mL
5 mM	0.4221 mL	2.1103 mL	4.2206 mL
10 mM	0.2110 mL	1.0551 mL	2.1103 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: ≥ 5 mg/mL (10.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 5 mg/mL (10.55 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

MRTF/SRF-IN-1 (example 41) is an inhibitor of both myocardin-related transcription factor and serum response factor (MRTF/SRF). MRTF/SRF-IN-1 can be used for research for preventing cancer and fibrosis<sup>[1]</sup>.

### REFERENCES

- [1]. Larsen Scott D, et al. Preparation of substituted piperidine-3-carboxamides as inhibitors of myocardin-related transcription factor and serum response factor (MTRF/SRF)-mediated gene transcription. World Intellectual Property Organization, WO2016073847 A2. 2016-05-12.

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

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