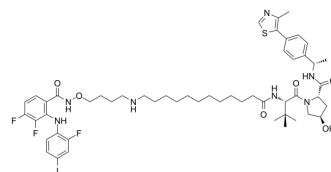


## MS934

<b>Cat. No.:</b>	HY-153863
<b>CAS No.:</b>	2756323-15-4
<b>Molecular Formula:</b>	C <sub>52</sub> H <sub>69</sub> F <sub>3</sub> IN <sub>7</sub> O <sub>6</sub> S
<b>Molecular Weight:</b>	1104.11
<b>Target:</b>	MEK
<b>Pathway:</b>	MAPK/ERK Pathway
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 50 mg/mL (45.29 mM)  
\* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.9057 mL	4.5285 mL	9.0571 mL
5 mM	0.1811 mL	0.9057 mL	1.8114 mL
10 mM	0.0906 mL	0.4529 mL	0.9057 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: ≥ 1.25 mg/mL (1.13 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 1.25 mg/mL (1.13 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

MS934 is a novel improved VHL-recruiting MEK 1/2 degrader. MS934 has anti-proliferation potency at inhibiting the growth of HT-29 cells with a GI<sub>50</sub> value of 0.023 μM. MS934 can be used for the research of variety of human cancers, such as melanoma, nonsmall cell lung cancer (NSCLC), colorectal cancer, primary brain tumors, and hepatocellular carcinoma<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

GI<sub>50</sub>: 0.023 μM (HT-29 cells)<sup>[1]</sup>

### REFERENCES

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

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