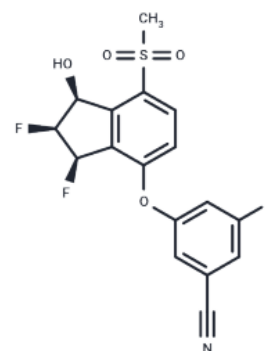


## Belzutifan

#Cat: NB-64-07673-1mL	Size: 1 mL
#Cat: NB-64-07673-1mg	Size: 1 mg
#Cat: NB-64-07673-5mg	Size: 5 mg
#Cat: NB-64-07673-10mg	Size: 10 mg
#Cat: NB-64-07673-25mg	Size: 25 mg
#Cat: NB-64-07673-50mg	Size: 50 mg
#Cat: NB-64-07673-100mg	Size: 100 mg

### Chemical Properties:

<b>CAS No:</b>	1672668-24-4
<b>Formula:</b>	C <sub>17</sub> H <sub>12</sub> F <sub>3</sub> NO <sub>4</sub> S
<b>Molecular Weight:</b>	383.34
<b>Appearance:</b>	Solid
<b>Storage:</b>	store under nitrogen, store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year



### Biological Description:

<b>Description</b>	Belzutifan (MK-6482) is a potential treatment for clear cell renal cell carcinoma (ccRCC). Belzutifan is an orally active and selective HIF-2 $\alpha$ inhibitor (IC <sub>50</sub> : 9 nM). Belzutifan, as a second-generation HIF-2 $\alpha$ inhibitor, increases potency and improves pharmacokinetic profile.
<b>Targets (IC<sub>50</sub>)</b>	HIF
<b>In vitro</b>	PT2977 effectively and dose-dependently decreased mRNA levels of human cyclin D1, a target gene regulated by HIF-2 $\alpha$ . It leads to a rapid and dose-dependent reduction in EPO expression[1].

### Solubility Information

<b>Solubility</b>	DMSO: 50.5 mg/mL (131.74 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
-------------------	--

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6087 mL	13.0433 mL	26.0865 mL
5 mM	0.5217 mL	2.6087 mL	5.2173 mL
10 mM	0.2609 mL	1.3043 mL	2.6087 mL
50 mM	0.0522 mL	0.2609 mL	0.5217 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Xu R, et al. 3-[(1S,2S,3R)-2,3-Difluoro-1-hydroxy-7-methylsulfonylindan-4-yl]oxy-5-fluorobenzonitrile (PT2977), a Hypoxia-Inducible Factor 2 $\alpha$  (HIF-2 $\alpha$ ) Inhibitor for the Treatment of Clear Cell Renal Cell Carcinoma. J Med Chem. 2019 Aug 8;62(15):6876-6893.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**  
This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use