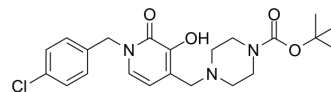


## Izilendustat

<b>Cat. No.:</b>	HY-44809		
<b>CAS No.:</b>	1303512-02-8		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>28</sub> ClN <sub>3</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	433.93		
<b>Target:</b>	HIF/HIF Prolyl-Hydroxylase		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<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 : 25 mg/mL (57.61 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3045 mL	11.5226 mL	23.0452 mL
	5 mM	0.4609 mL	2.3045 mL	4.6090 mL
	10 mM	0.2305 mL	1.1523 mL	2.3045 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Izilendustat is a potent inhibitor of prolyl hydroxylase which can stabilize hypoxia inducible factor- 1 alpha (HIF- 1α) and hypoxia inducible factor-2 (HIF-2). Izilendustat has the potential for researching diseases that relate to the body's immune response like colitis and other inflammatory bowel diseases (extracted from patent WO2011057115A1 and WO2011057121A1)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Joseph H, et al. Prolyl hydroxylase inhibitors. Patent WO2011057115A1.
- [2]. Joseph H, et al. Compositions and methods for treating colitis. Patent WO2011057121A1.

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

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