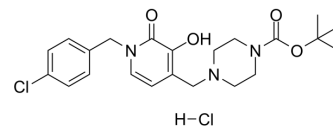


## Izilendustat hydrochloride

Cat. No.:	HY-44809A
CAS No.:	1303513-80-5
Molecular Formula:	C <sub>22</sub> H <sub>29</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	470.39
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Izilendustat (hydrochloride) is a potent inhibitor of prolyl hydroxylase which stabilizes hypoxia inducible factor- 1 alpha (HIF- $\alpha$ ), as well as hypoxia inducible factor-2 (HIF-2). Izilendustat (hydrochloride) has the potential for the research of HIF-1 $\alpha$ related diseases including Peripheral Vascular Disease (PVD), Coronary Artery Disease (CAD), heart failure, ischemia, anemia, colitis, and other inflammatory bowel diseases (extracted from patent WO2011057115A1/WO2011057112A1/WO2011057121A1) <sup>[1][2][3]</sup> .
IC <sub>50</sub> & Target	prolyl hydroxylase <sup>[1]</sup>

### REFERENCES

- [1]. Joseph H, et al. Prolyl hydroxylase inhibitors. Patent WO2011057115A1.
- [2]. Robert Shalwitz, et al. Methods for increasing the stabilization of hypoxia inducible factor-1 alpha. Patent WO2011057112A1.
- [3]. Joseph H, et al. Compositions and methods for treating colitis. Patent WO2011057121A1.

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

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