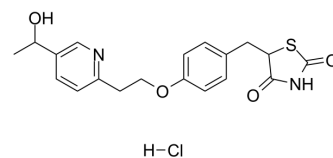


## Lerigitazone hydrochloride

Cat. No.:	HY-117727A		
CAS No.:	146062-46-6		
Molecular Formula:	C <sub>19</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>4</sub> S		
Molecular Weight:	408.9		
Target:	PPAR		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	Lerigitazone (Hydroxypioglitazone) hydrochloride, a metabolite of pioglitazone. Lerigitazone (Hydroxypioglitazone) hydrochloride PioOH is a PPAR $\gamma$ agonist, stabilizes the PPAR $\gamma$ activation function-2 (AF-2) co-activator binding surface and enhances co-activator binding, affording slightly better transcriptional efficacy. Lerigitazone (Hydroxypioglitazone) hydrochloride binds to the PPAR $\gamma$ C-terminal ligand-binding domain (LBD) with a K <sub>i</sub> of 1.2 $\mu$ M. Lerigitazone induces transcriptional efficacy of the PPAR $\gamma$ (LBD) with an EC <sub>50</sub> of 680 nM <sup>[1]</sup> .
IC <sub>50</sub> & Target	PPAR- $\gamma$

### REFERENCES

[1]. Mosure SA, et al. Structural Basis of Altered Potency and Efficacy Displayed by a Major in Vivo Metabolite of the Antidiabetic PPAR $\gamma$  Drug Pioglitazone. J Med Chem. 2019 Feb 28;62(4):2008-2023.

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

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