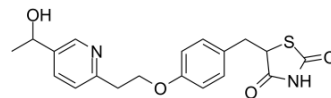


Lerigitazone

Cat. No.:	HY-117727
CAS No.:	146062-44-4
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₄ S
Molecular Weight:	372.44
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lerigitazone (Hydroxypioglitazone), a metabolite of pioglitazone. Lerigitazone (Hydroxypioglitazone) is a PPAR γ agonist, stabilizes the PPAR γ activation function-2 (AF-2) co-activator binding surface and enhances co-activator binding, affording slightly better transcriptional efficacy. Lerigitazone (Hydroxypioglitazone) binds to the PPAR γ C-terminal ligand-binding domain (LBD) with K _i of 1.2 μ M and induces transcriptional efficacy of the PPAR γ (LBD) with EC ₅₀ of 680 nM ^[1] .
IC ₅₀ & Target	Ki: 1.2 μ M (PPAR γ LBD); EC: 680 nM (PPAR γ LBD) (Lerigitazone) ^[1]

REFERENCES

[1]. Mosure SA, et al. Structural Basis of Altered Potency and Efficacy Displayed by a Major in Vivo Metabolite of the Antidiabetic PPAR γ 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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