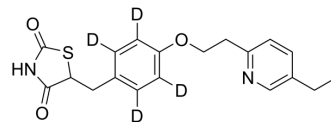


## Pioglitazone-d<sub>4</sub>

Cat. No.:	HY-13956S
CAS No.:	1134163-29-3
Molecular Formula:	C <sub>19</sub> H <sub>16</sub> D <sub>4</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	360.46
Target:	PPAR; Ferroptosis
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor; Apoptosis
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



### BIOLOGICAL ACTIVITY

#### Description

Pioglitazone-d<sub>4</sub> is a deuterium labeled Pioglitazone. Pioglitazone (U 72107) is a potent and selective PPAR<sub>γ</sub> agonist with high affinity binding to the PPAR<sub>γ</sub> ligand-binding domain with EC<sub>50</sub> of 0.93 and 0.99 μM for human and mouse PPAR<sub>γ</sub>, respectively[1].

### REFERENCES

[1]. Kuwabara K, et al. A novel selective peroxisome proliferator-activated receptor alpha agonist, 2-methyl-c-5-[4-[5-methyl-2-(4-methylphenyl)-4-oxazolyl]butyl]-1,3-dioxane-r-2-carboxylic acid (NS-220), potently decreases plasma triglyceride and glucose level

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

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