

Product Data Sheet

Product Name: Pioglitazone D4

Cat. No.: GC61187

Chemical Properties

Cas. No. 1134163-29-3

SMILES O=C(N1)SC(CC2=C([2H])C([2H])=C(OCCC3=NC=C(CC)C=C3)C([2H])=C2[2H])C1=O

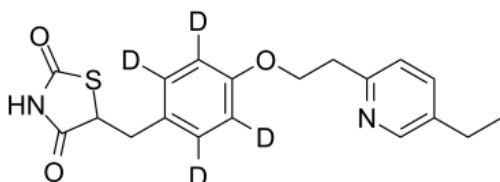
Formula $C_{19}H_{16}D_4N_2O_3S$ M.Wt 360.46

Solubility DMF: 2.5 mg/ml, DMSO: 2.5 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available sizes: ship with RT, or blue ice upon request.

Structure



Background

Pioglitazone D4 (U 72107 D4) is a deuterium labeled Pioglitazone. Pioglitazone (U 72107) is a potent and selective PPAR γ agonist with high affinity binding to the PPAR γ ligand-binding domain with EC₅₀ of 0.93 and 0.99 μ M for human and mouse PPAR γ , respectively[1].

[1]. Kuwabara K, et al. A novel selective peroxisome proliferator-activated receptor alpha agonist, 2-

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

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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 leve

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