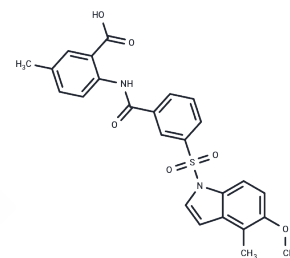


GSK-7227

## Chemical Properties

CAS No. :	1067214-81-6
Formula:	C <sub>25</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	478.52
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	GSK-7227, a novel compound representing a novel class of peroxisome proliferator-activated receptor delta (PPAR $\delta$ ) partial agonists, demonstrates potent partial agonistic activity by upregulating the expression of PPAR $\delta$ target genes, specifically carnitine palmitoyltransferase 1a (CPT1a) and pyruvate dehydrogenase kinase 4 (PDK4), in cultured skeletal muscle cells, indicating its potential role in modulating skeletal muscle metabolism and energy homeostasis.
Targets(IC50)	CPT,PDK,Dehydrogenase,PPAR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0898 mL	10.4489 mL	20.8978 mL
5 mM	0.418 mL	2.0898 mL	4.1796 mL
10 mM	0.209 mL	1.0449 mL	2.0898 mL
50 mM	0.0418 mL	0.209 mL	0.418 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Shearer BG, Patel HS, Billin AN, Way JM, Winegar DA, Lambert MH, Xu RX, Leesnitzer LM, Merrihew RV, Huet S, Willson TM. Discovery of a novel class of PPAR $\delta$  partial agonists. *Bioorg Med Chem Lett.* 2008 Sep 15;18(18): 5018-22.

Discovery of a novel class of PPAR $\delta$  partial agonists

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