

Product data sheet



MedKoo Cat#: 531747 Name: CP-775146 CAS#: 702680-17-9 Chemical Formula: C ₂₆ H ₃₃ NO ₄ Exact Mass: 423.241 Molecular Weight: 423.55	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

CP-775146 is a selective, high affinity PPAR α agonist. CP-775146 exhibits hypolipidemic activity in vivo.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	42.35	99.99

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.36 mL	11.80 mL	23.61 mL
5 mM	0.47 mL	2.36 mL	4.72 mL
10 mM	0.24 mL	1.18 mL	2.36 mL
50 mM	0.05 mL	0.24 mL	0.47 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

1. Tang S, Wu F, Lin X, Gui W, Zheng F, Li H. The Effects of New Selective PPAR α Agonist CP775146 on Systematic Lipid Metabolism in Obese Mice and Its Potential Mechanism. J Diabetes Res. 2020 May 4;2020:4179852. doi: 10.1155/2020/4179852. PMID: 32455134; PMCID: PMC7222497.

7. Bioactivity

Biological target:

Selective, high affinity PPAR α agonist.

In vitro activity

TBD

In vivo activity

CP775146 increased the liver weight but did not affect the on mean body weight (Figures 1(a) and 1(b)). At >0.3 mg/kg, CP775146 significantly increased the serum alanine aminotransferase (ALT) level (a measure of liver function, Figure 1(c)) but not that of aspartate aminotransferase (AST, Figure 1(d)).

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Reference: J Diabetes Res. 2020; 2020: 4179852. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7222497/>

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.