

Product data sheet



MedKoo Cat#: 555323 Name: LJ570 CAS: 2252488-69-8 Chemical Formula: C ₂₇ H ₂₂ O ₃ Exact Mass: 394.1569 Molecular Weight: 394.47	
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:

LJ570 is the first PPAR α / γ Dual Agonist Able To Bind to Canonical and Alternative Sites of PPAR γ and To Inhibit Its Cdk5-Mediated Phosphorylation. LJ570 is a potent partial agonist of both PPAR α and γ subtypes. LJ570 inhibited the Cdk5-mediated phosphorylation of PPAR γ at serine 273 that is currently considered the mechanism by which some PPAR γ partial agonists exert antidiabetic effects similar to thiazolidinediones, without showing their typical side effects. LJ570 may be useful for treatment of dyslipidemic type 2 diabetes.

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
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.54 mL	12.68 mL	25.35 mL
5 mM	0.51 mL	2.54 mL	5.07 mL
10 mM	0.25 mL	1.27 mL	2.54 mL
50 mM	0.05 mL	0.25 mL	0.51 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

TBD

7. Bioactivity

Biological target:

LJ570 is the first PPAR α / γ Dual Agonist Able To Bind to Canonical and Alternative Sites of PPAR γ and To Inhibit Its Cdk5-Mediated Phosphorylation.

In vitro activity

TBD

In vivo activity

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TBD

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.