

## Product Data Sheet

Product Name: WJ-39  
Cat. No.: GC71492

### Chemical Properties

Cas. No. 3009908-95-3

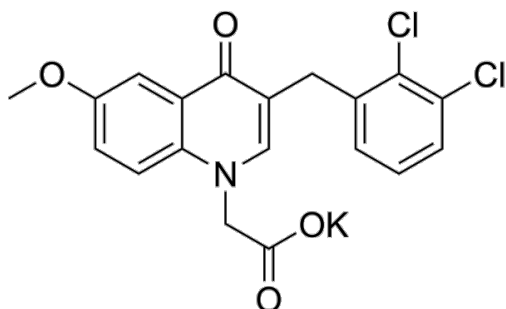
Formula  $C_{19}H_{14}Cl_2KNO_4$  M.Wt 430.32

Solubility DMSO :  $\geq 350$  mg/mL (813.35 mM) Storage 4°C, protect from light

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 size: ship with RT, or blue ice upon request.

Structure



### Background

WJ-39 is an orally active aldose reductase (AR) inhibitor. WJ-39 improves tubular damage in diabetic nephropathy rats by activating PINK1/Parkin signaling, promoting mitophagy, and attenuating apoptosis.

References:

[1]. Yang L, et al. An aldose reductase inhibitor, WJ-39, ameliorates renal tubular injury in diabetic nephropathy by activating PINK1/Parkin signaling. Eur J Pharmacol. 2024 Mar 15;967:176376.

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

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