

## Product Data Sheet

Product Name: GLUT4 activator 2

Cat. No.: GC74074

### Chemical Properties

Cas. No. 2761446-81-3

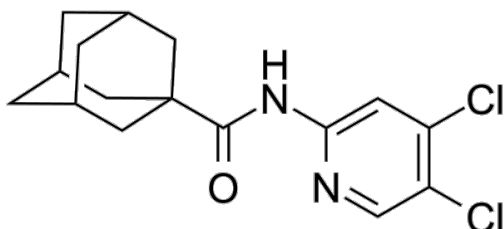
Formula  $C_{16}H_{18}Cl_2N_2O$  M.Wt 325.23

Solubility DMSO : 125 mg/mL (384.34 mM; Storage -20°C  
Need ultrasonic)

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

GLUT4 activator 2 (C59) is an insulin sensitizer, which can be used for research of diabetic diseases. GLUT4 activator 2 improves glucose uptake and insulin sensitivity in rodents. GLUT4 activator 2 interacts with Unc119 and Unc119B resulting in increased insulin sensitivity and GLUT4

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

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translocation.

### References:

[1]. Yin TC, et al. Insulin sensitization by small molecules enhancing GLUT4 translocation. Cell Chem Biol. 2023 Aug 17;30(8):933-942.e6.

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