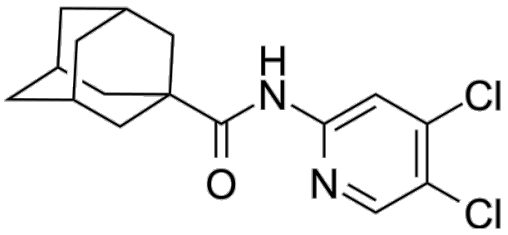
Product Data Sheet

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; Need ultrasonic)	Storage	-20°C
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.