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**Product Data Sheet**

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Product Name: DI-1859  
Cat. No.: GC65576

**Chemical Properties**

Cas. No. 2247061-09-0

Formula C<sub>30</sub>H<sub>45</sub>N<sub>5</sub>O<sub>3</sub>S

M.Wt 555.78

Solubility DMSO : 100 mg/mL (179.93 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -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**

DI-1859 is a potent, selective and covalent inhibitor of DCN1. DI-1859 inhibits neddylation of cullin 3 in cells at low nanomolar concentrations. DI-1859 induces a robust increase of NRF2 protein, a CRL3 substrate, in mouse liver and effectively protects mice from acetaminophen-induced liver damage[1].

[1]. Zhou H, et al. Selective inhibition of cullin 3 neddylation through covalent targeting DCN1 protects mice from acetaminophen-induced liver toxicity. Nat Commun. 2021;12(1):2621.

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

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