

## Product Data Sheet

Product Name: G140  
Cat. No.: GC62664

### Chemical Properties

Cas. No. 2369751-07-3

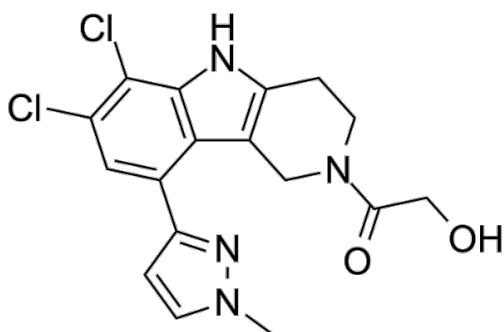
Formula  $C_{17}H_{16}Cl_2N_4O_2$  M.Wt 379.24

Solubility DMSO : 250 mg/mL (659.21 mM; Storage Store at -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

G140 is a potent and selective inhibitor of cyclic GMP-AMP synthase (cGAS), with IC<sub>50</sub>s of 14.0 nM and 442 nM for h-cGAS and m-cGAS, respectively. G140 has anti-inflammatory activity[1].

G140 (0.1-100 μM; 4 h) inhibits h-cGAS in a dose-dependent manner with IC<sub>50</sub>s of 1.70 and 0.86 μM in human THP1 and primary macrophages, respectively[1]. G140 (0.1-100 μM; 24 h) inhibits cells

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

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viability with a LD50 of >100  $\mu$ M in THP1 cells[1].

[1]. Lama L, et, al. Development of human cGAS-specific small-molecule inhibitors for repression of dsDNA-triggered interferon expression. Nat Commun. 2019 May 21; 10(1): 2261.

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