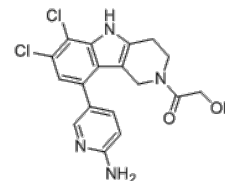


**Product Name** : G150  
**Cat. No.** : PC-73361  
**CAS No.** : 2369751-30-2  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 391.25  
**Target** : STING  
**Solubility** : 10 mM in DMSO (3.9 mg/mL)



## Biological Activity

G150 is a potent, specific human cyclic GMP-AMP synthase (**cGAS**) small-molecule inhibitor with IC<sub>50</sub> of 10.2 nM, shows no inhibition against m-cGAS.

G150 binds to apo h-cGASCD, localized within the ATP and GTP binding pocket.

G150 showed dose-dependent inhibitory activity in THP1 cells with IC<sub>50</sub> of 1.96 μM, as determined by qRT-PCR for IFNB1 mRNA.

G150 shows no off-target effect against other nucleotidyl transferase enzymes.

G150 inhibits the SEAP NF-κB pathway reporter with IC<sub>50</sub> of 0.9 μM.

## References

Lodoe Lama, et al. *Nat Commun.* 2019 May 21;10(1):2261.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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