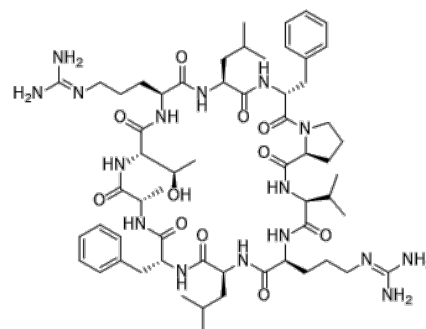


**Product Name** : cGAS inhibitor XQ2B  
**Cat. No.** : PC-26963  
**CAS No.** : 2104728-28-9  
**Molecular Formula** : C<sub>59</sub>H<sub>92</sub>N<sub>16</sub>O<sub>11</sub>  
**Molecular Weight** : 1201.46  
**Target** : Cyclic GMP-AMP synthase (cGAS)  
**Solubility** : 10 mM in DMSO



Cyclo (D-Phe-Ala-Thr-Arg-Leu-D-Phe-Pro-Val-Arg-Leu)

CAS: 2104728-28-9

## Biological Activity

cGAS inhibitor XQ2B is potent, selective cyclopeptide inhibitor of Cyclic GMP-AMP synthase (cGAS), specifically binds to the DNA binding site of cGAS and blocks the binding of dsDNA with cGAS, subsequently inhibits dsDNA-induced liquid phase condensation and activation of cGAS, inhibits HSV-1-induced antiviral immune responses and enhances HSV-1 infection in vitro and in vivo.

## References

Wang X, et al. Nat Commun. 2023 Oct 2;14(1):6132.

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

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