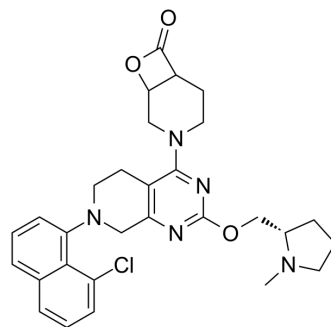


G12Si-1

| | |
|--------------------|---|
| Cat. No.: | HY-150926 |
| CAS No.: | 2946593-42-4 |
| Molecular Formula: | C ₂₉ H ₃₂ ClN ₅ O ₃ |
| Molecular Weight: | 534.05 |
| Target: | Ras |
| Pathway: | GPCR/G Protein |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | G12Si-1 is a selective K-Ras(G12S) covalent inhibitor, which can inhibit oncogenic signaling of K-Ras(G12S). G12Si-1 shows good ability to covalently engage recombinant K-Ras(G12S) at the mutant serine residue. G12Si-1 can also affect nucleotide cycling of K-Ras by blocking Sos-catalyzed exchange and decreasing the rate of EDTA promoted exchange ^[1] . |
|--------------------|--|

| | |
|-------------------------------------|-----------|
| IC₅₀ & Target | KRas G12S |
|-------------------------------------|-----------|

REFERENCES

[1]. Zhang Z, et al. Chemical acylation of an acquired serine suppresses oncogenic signaling of K-Ras(G12S). Nat Chem Biol. 2022 Jul 21.

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

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