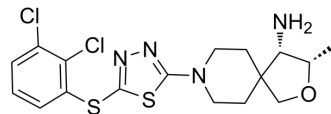


YF704

| | |
|--------------------|---|
| Cat. No.: | HY-155533 |
| CAS No.: | 2956716-97-3 |
| Molecular Formula: | C ₁₇ H ₂₀ Cl ₂ N ₄ OS ₂ |
| Molecular Weight: | 431.4 |
| Target: | SHP2 |
| Pathway: | Protein Tyrosine Kinase/RTK |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

YF704 (compound 4w) is a selective allosteric inhibitor of SHP2 (IC₅₀=0.25 μM). YF704 shows antiproliferative activity and induces apoptosis in cancer cells. YF704 also downregulates Erk1/2 and Akt phosphorylation levels in cancer cells^[1].

REFERENCES

[1]. Liu WS, et al. Design, synthesis, activity and molecular dynamics studies of 1,3,4-thiadiazole derivatives as selective allosteric inhibitors of SHP2 for the treatment of cancer. *Eur J Med Chem.* 2023 Oct 5;258:115585.

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

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