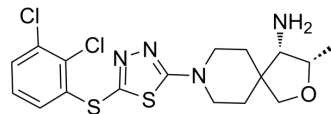


YF704

Cat. No.:	HY-155533
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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