

LC-SF-14

## Chemical Properties

CAS No. :

Formula: C44H50Cl3N13O5S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

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|---------------|--|
| Description   | LC-SF-14 is a selective dual inhibitor of SHP2 and FGFR, with IC50 values of 71.6 nM and 8.9 nM, respectively. It blocks FGFR2-FRS2 $\alpha$ -SHP2-MAPK signaling and ERK phosphorylation, and also inhibits the proliferation of KATOIII cancer cells (IC50: 9.2 nM). Furthermore, LC-SF-14 exhibits antitumor activity in SNU-16 xenograft mouse models, making it suitable for research on FGFR2-driven gastric cancer. |
| Targets(IC50) | ERK,FGFR,p38 MAPK,Phosphatase  |

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