# Data Sheet (Cat.No.T209308)

TargetMol

SHP2-IN-26

## Chemical Properties

CAS No. :

Formula: C20H22Cl2N6OS

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 | SHP2-IN-26 (Compound 4b) is a highly selective allosteric inhibitor of SHP2, with an IC50 of 3.2 nM. It effectively inhibits the phosphorylation levels of ERK and AKT in NCI-H358 cells and demonstrates antitumor activity. |
| Targets(IC50) | Phosphatase |
| In vitro | SHP2-IN-26 inhibits the proliferation of various cancer cells, with IC50 values of 0.58, 5.36, 5.88, and 4.35 μM against NCI-H358, A549, MDA-MB-231, and MDA-MB468, respectively. Additionally, SHP2-IN-26 significantly reduces the phosphorylation levels of ERK and AKT in NCI-H358 cells when applied at concentrations of 0, 0.25, 0.5, 1, and 2 μM for 12 hours. |



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481