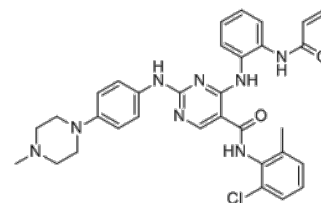


Product Name : DGY-06-116
Cat. No. : PC-72224
CAS No. : 2556836-50-9
Molecular Formula : C₃₂H₃₃ClN₈O₂
Molecular Weight : 597.12
Target : Src
Solubility : 10 mM in DMSO



Biological Activity

DGY-06-116 (SRC inhibitor 15a) is a potent, selective, covalent **Src** inhibitor (biochemical IC₅₀=3 nM) that targets a P-Loop cysteine (Cys277).

BTK, ABL, and most SFK family members such as HCK, BLK, LCK, and YES1 were the main off-targets as confirmed with low nanomolar biochemical IC₅₀s.

DGY-06-116 demonstrated potent antiproliferative effects in lung and breast cancer cell lines (H1957 GI₅₀=0.3 uM).

DGY-06-116 inhibited p-SRCY416 signaling in both H1975 and HCC827 cells at 1 uM.

DGY-06-116 inhibited p-SRCY416 at 2 and 4 h postdosing in spleen tissue samples from C57B6 mice.

References

Guangyan Du, et al. *J Med Chem.* 2020 Feb 27;63(4):1624-1641.

Gurbani D, et al. *Front Mol Biosci.* 2020 May 19;7:81.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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