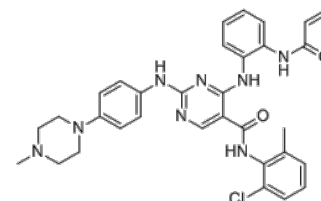


**Product Name** : DGY-06-116  
**Cat. No.** : PC-72224  
**CAS No.** : 2556836-50-9  
**Molecular Formula** : C<sub>32</sub>H<sub>33</sub>ClN<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 597.12  
**Target** : Src  
**Solubility** : 10 mM in DMSO



## Biological Activity

DGY-06-116 (Src inhibitor 15a) is a potent, selective, covalent **Src** inhibitor (biochemical IC<sub>50</sub>=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 IC<sub>50</sub>s.

DGY-06-116 demonstrated potent antiproliferative effects in lung and breast cancer cell lines (H1975 GI<sub>50</sub>=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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