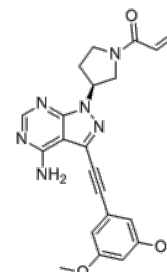


Product Name : TAS-120
Cat. No. : PC-35453
CAS No. : 1448169-71-8
Molecular Formula : C₂₂H₂₂N₆O₃
Molecular Weight : 418.457
Target : FGFR
Solubility : 10 mM in DMSO

2. Kalyukina M, et al. *Chem Med Chem*. 2019 Jan 2. doi: 10.1002/cmdc.201800719.



Biological Activity

TAS-120 (Futibatinib, TAS120) is a highly potent, selective, irreversible pan-**FGFR inhibitor** with IC₅₀ of 0.9 nM for wt FGFR2. TAS-120 inhibits cancer cell growth in vitro and shows promising activity in human xenografts of FGFR mutation-bearing tumours.

TAS-120 inhibits mutant and wild-type FGFR2 with similar IC₅₀ (wild-type FGFR2, 0.9 nM; V565I 1.3 nM; N550H, 3.6 nM; E566G, 2.4 nM) and has shown efficacy in FGFR inhibitor-resistant cell lines.

References

Hiroaki Ochiwa, et al. Abstract A270: TAS-120, a highly potent and selective irreversible FGFR inhibitor, is effective in tumors harboring various FGFR gene abnormalities. *AACR* 2013.

