# Belvarafenib TFA

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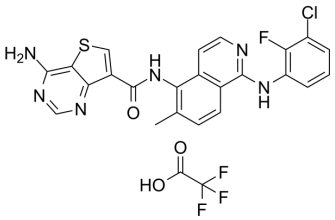
| **Cat. No.:** | HY-109080A |
| **CAS No.:** | 2443966-84-3 |
| **Molecular Formula:** | $C_{25}H_{17}ClF_4N_6O_3S$ |
| **Molecular Weight:** | 592.95 |
| **Target:** | Raf |
| **Pathway:** | MAPK/ERK Pathway |
| **Storage:** | -20°C, sealed storage, away from moisture<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



## BIOLOGICAL ACTIVITY

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| **Description** | Belvarafenib TFA (HM95573 TFA) is a potent and pan RAF (Rapidly Accelerated Fibrosarcoma) inhibitor, with $IC_{50}$s of 56 nM, 7 nM and 5 nM for B-RAF, B-RAFv$^{600E}$ and C-RAF respectively[1]. |
| **$IC_{50}$ & Target** | IC50: 56 nM(B-RAF), 7 nM(B-RAFv$^{600E}$), 5 nM(C-RAF)[1]. |
| **In Vitro** | Belvarafenib (Example 116) is a potent and pan RAF inhibitor with antineoplastic activity. The $IC_{50}$ values of Belvarafenib are 56 nM, 7 nM and 5 nM for B-RAF, B-RAFv$^{600E}$ and C-RAF respectively. It also shows high inhibitory activity for FMS, DDR1 and DDR2 kinases, with $IC_{50}$s of 10 nM, 23 nM and 44 nM, respectively[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. WO 2013/100632 A1.



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