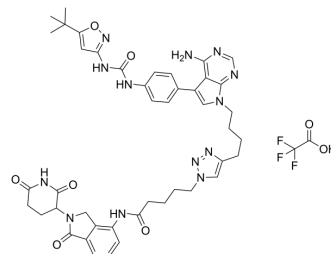


PF15 TFA

| | |
|---------------------------|--|
| Cat. No.: | HY-143286A |
| Molecular Formula: | C ₄₆ H ₅₀ F ₃ N ₁₃ O ₈ |
| Molecular Weight: | 969.97 |
| Target: | PROTACs; FLT3 |
| Pathway: | PROTAC; Protein Tyrosine Kinase/RTK |
| Storage: | -20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (51.55 mM)
* "≥" means soluble, but saturation unknown.

| Solvent | Mass | Concentration | | |
|---------------------------|-------|---------------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 1.0310 mL | 5.1548 mL | 10.3096 mL |
| | 5 mM | 0.2062 mL | 1.0310 mL | 2.0619 mL |
| | 10 mM | 0.1031 mL | 0.5155 mL | 1.0310 mL |
| | | | | |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PF15 TFA is a PROTAC connected by ligands for FLT3 kinase and CRBN. PF15 TFA is a high selective FLT3-ITD degrader with a DC50 of 76.7 nM. PF15 TFA significantly inhibits the proliferation of FLT3-ITD-positive cells and can down-regulate the phosphorylation of FLT3 and STAT5. PF15 TFA also inhibits tumor growth in mouse models and can be used in study of leukemia^[1].

REFERENCES

[1]. Chen Y, et al. Degrading FLT3-ITD protein by proteolysis targeting chimera (PROTAC). *Bioorg Chem.* 2022 Feb;119:105508.

Caution: Product has not been fully validated for medical applications. For research use only.

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