Product Data Sheet

Product Name: PF15 TFA
Cat. No.: GC73096

Chemical Properties

Cas. No.

Formula	$C_{46}H_{50}F_3N_{13}O_8$	M.Wt	969.97
Solubility	DMSO : ≥ 50 mg/mL (51.55 mM)	Storage	-20°C, sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

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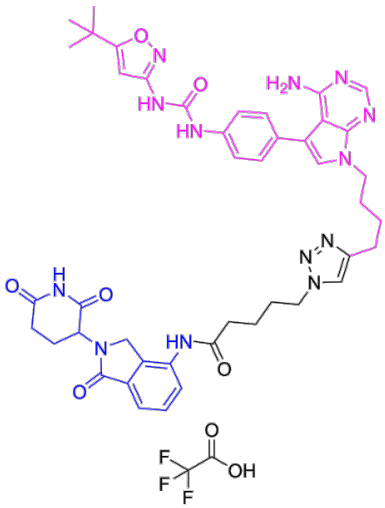
Structure



Background

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，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.

References:

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