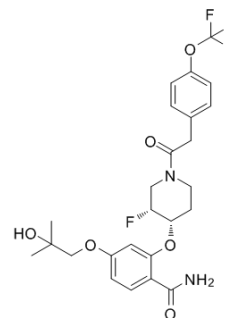


PF-06737007

Cat. No.:	HY-112437
CAS No.:	1863905-38-7
Molecular Formula:	C ₂₅ H ₂₈ F ₄ N ₂ O ₆
Molecular Weight:	528.49
Target:	Trk Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	PF-06737007 is a potent pan-Trk inhibitor in cell-based assays with IC ₅₀ s of 7.7 nM, 15 nM and 3.9 nM for TrkA , TrkB and TrkC , respectively ^[1] . Anti-hyperalgesic effect ^[1] .		
IC₅₀ & Target	TrkA 7.7 nM (IC ₅₀ , in cell-based assays)	TrkB 15 nM (IC ₅₀ , in cell-based assays)	TrkC 3.9 nM (IC ₅₀ , in cell-based assays)
In Vitro	PF-06737007 (Compound 13b) exhibits superb Trk selectivity with >95% inhibition of TrkA with no other kinase being inhibited by >40% at 1 μM ^[1] .		

REFERENCES

[1]. Bagal SK, et al. Discovery of Potent, Selective, and Peripherally Restricted Pan-Trk Kinase Inhibitors for the Treatment of Pain. *J Med Chem.* 2018 Aug 9;61(15):6779-6800.

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

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