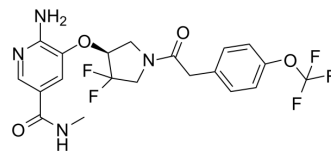


PF-06733804

Cat. No.:	HY-112434
CAS No.:	1873373-33-1
Molecular Formula:	C ₂₀ H ₁₉ F ₅ N ₄ O ₄
Molecular Weight:	474.38
Target:	Trk Receptor
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PF-06733804 is a potent pan-Trk inhibitor in cell-based assays with IC ₅₀ s of 8.4 nM, 6.2 nM and 2.2 nM for TrkA, TrkB and TrkC, respectively ^[1] . Anti-hyperalgesic effect ^[1] .		
IC₅₀ & Target	TrkA 8.4 nM (IC ₅₀ , in cell-based assays)	TrkB 6.2 nM (IC ₅₀ , in cell-based assays)	TrkC 2.2 nM (IC ₅₀ , in cell-based assays)
In Vitro	PF-06733804 (Compound 19) also inhibits hERG in the FP and PX assay with IC ₅₀ s of 79 μM and 88 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

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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