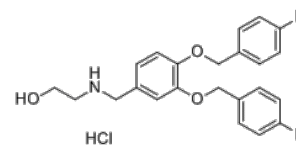


Product Name : XRK3F2
Cat. No. : PC-61297
CAS No. : 2375193-43-2
Molecular Formula : C₂₃H₂₄ClF₂NO₃
Molecular Weight : 435.896
Target : Autophagy
Solubility : 10 mM in DMSO



2. Adamik J, et al. *Front Endocrinol (Lausanne)*. 2018 Jun 29;9:344.

Biological Activity

XRK3F2 is a specific ZZ-domain of ubiquitin-binding protein **p62 (Sequestosome 1)** inhibitor that inhibits MM cell growth and BMSC growth enhancement of human MM cells.

XRK3F2 inhibits TNF α -induced osteoclast formation, and has IC₅₀ of 4.35 μ M 5TGM1 cells and 4.6 μ M for the human MM1.S cell line.

XRK3F2 induces new cortical bone formation in MMBD in vivo, and alters MM cell-BMSC cell interactions by reducing MM cell-derived TNF α in the myeloma microenvironment.

References

Teramachi J, et al. *Leukemia*. 2016 Feb;30(2):390-8.

