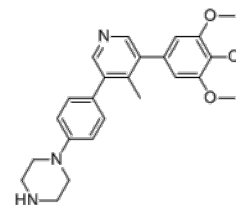


Product Name : M4K2009
Cat. No. : PC-22015
CAS No. : 2600795-07-9
Molecular Formula : C₂₅H₂₉N₃O₃
Molecular Weight : 419.53
Target : TGF beta Receptor (TGFBR)
Solubility : 10 mM in DMSO



CAS: 2600795-07-9

Biological Activity

M4K2209 is a potent, selective BMP type I receptor **ALK2** inhibitor with IC₅₀ of 9 nM, >180-fold selective over ALK5 (IC₅₀=2427 nM).

M4K2209 shows cell IC₅₀ of 26 nM in NanoBRET target engagement assay.

M4K2209 is equipotent against both wild-type (WT) and mutant ALK2 (G328V, R206H, and R258G) in the biochemical kinase assay.

M4K2009 is also moderately active against the hERG potassium channel (IC₅₀= 8 uM).

References

Ensan D, et al. *J Med Chem.* 2020 May 14;63(9):4978-4996.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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