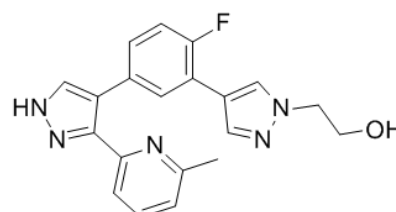


Product Name : R-268712
Cat. No. : PC-43290
CAS No. : 879487-87-3
Molecular Formula : C₂₀H₁₈FN₅O
Molecular Weight : 363.3882
Target : TGF beta Receptor (TGFBR)
Solubility : 10 mM in DMSO



Biological Activity

R-268712 is a potent, selective, orally active inhibitor of TGF- β type I receptor **ALK5** with IC₅₀ of 2.5 nM, >5,000-fold more selectivity than p38 MAPK.

R-268712 inhibits the development of renal fibrosis in a dose-dependent manner in a unilateral ureteral obstruction (UUO) model at doses of 1, 3 and 10mg/kg.

R-268712 also reduces proteinuria and glomerulosclerosis significantly with improvement of renal function in glomerulonephritis models.

References

Terashima H, et al. *Eur J Pharmacol.* 2014 Jul 5;734:60-6

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

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