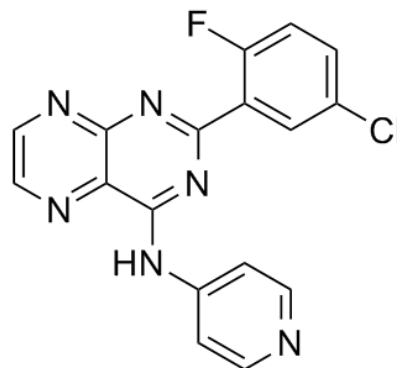


Product Name : SD-208
Cat. No. : PC-43408
CAS No. : 627536-09-8
Molecular Formula : C₁₇H₁₀ClFN₆
Molecular Weight : 352.7529
Target : TGF beta Receptor (TGFBR)
Solubility : 10 mM in DMSO



Biological Activity

SD-208 is a potent, selective TGF- β receptor I kinase (**TGF- β RI**) inhibitor with IC₅₀ of 48 nM, >100-fold selectivity over TGF- β RII kinase and >20-fold over a panel of related protein kinases.

SD-208 inhibits the growth inhibition of TGF-beta-sensitive CCL64 cells mediated by recombinant TGF- β 1 or TGF- β 2 or of TGF- β -containing glioma cell supernatant with EC₅₀ of 0.1 μ M.

SD-208 inhibits constitutive and TGF- β -induced invasion of glioma cells, inhibits TGF- β signaling in immune effector cells.

SD-208 blocks TGF- β signaling in the brain and inhibits the growth of syngeneic SMA-560 experimental gliomas in vivo.

References

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

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