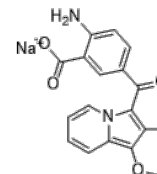


Product Name : SSR128129E
Cat. No. : PC-22684
CAS No. : 848318-25-2
Molecular Formula : C₁₈H₁₅N₂NaO₄
Molecular Weight : 346.32
Target : FGFR
Solubility : 10 mM in DMSO



Biological Activity

SSR128129E is a specific, allosteric, small-molecule multi-FGF receptor (FGFR) inhibitor, binds to the extracellular FGFR domain without affecting orthosteric FGF binding, inhibits FGF-induced signaling linked to FGFR internalization in an allosteric manner.

SSR128129E potently inhibits FGF2-induced endothelial cells (ECs) proliferation and migration with IC₅₀ of 31 nM and 15.2 nM respectively.

SSR128129E inhibits FGFR paralogues in various species across the animal kingdom, including *Danio rerio* (zebrafish), *Drosophila melanogaster* (fruit fly), *Spodoptera frugiperda*, and *Bombyx mori* (silkworm).

SSR128129E does not inhibit binding of VEGF, VEGF-B, placental growth factor, platelet-derived growth factor (PDGF)-BB, or PDGF-CC.

SSR128129E inhibits tumor growth and metastasis in various models, amplifies the activity of anti-VEGFR2 in refractory tumor models.

References

Bono F, et al. *Cancer Cell*. 2013 Apr 15;23(4):477-88.

Herbert C, et al. *Cancer Cell*. 2013 Apr 15;23(4):489-501.

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

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