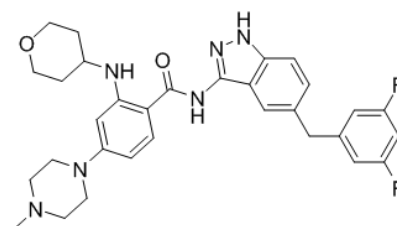


Product Name : Entrectinib
Cat. No. : PC-43144
CAS No. : 1108743-60-7
Molecular Formula : C₃₁H₃₄F₂N₆O₂
Molecular Weight : 560.6375
Target : Trk Receptor
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

Entrectinib (NMS-E628, RXDX-101, NMS-01191372) is a potent, ATP-competitive, orally available pan-TRK, ROS1 and ALK inhibitor with IC₅₀ of 1/3/5/12/7 nM for TRKA/TRKB/TRKC/ALK/ROS1, respectively; exhibits high antiproliferative activity against colorectal carcinoma cell line KM12 with IC₅₀ of 17 nM, abolishes autophosphorylation of TPM3-TRKA, concomitant with complete inhibition of the phosphorylation of PLCγ1, AKT, and MAPK; induces regression in relevant human xenograft tumors, including the TRKA-dependent colorectal carcinoma KM12, ROS1-driven tumors, and several ALK-dependent models.

Lung Cancer
Phase 2 Clinical

References

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- Rolfo C, et al. Expert Opin Investig Drugs. 2015;24(11):1493-500.
- Russo M, et al. Cancer Discov. 2016 Jan;6(1):36-44.

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

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