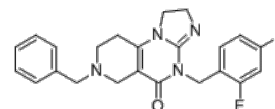


Product Name : ONC206
Cat. No. : PC-72174
CAS No. : 1638178-87-6
Molecular Formula : C₂₃H₂₂F₂N₄O
Molecular Weight : 408.453
Target : Dopamine Receptor
Solubility : 10 mM in DMSO



Biological Activity

ONC206 (ONC 206) is a chemical analogue of ONC201, a selective antagonist of **dopamine D2-like receptor** (DRD2, K_i=320 nM) with broad-spectrum anti-tumor activity.

ONC206 does not inhibit the D1-like (DRD 1/5), subfamily of dopamine receptors.

ONC206 has highly potent activity in preclinical models of difficult-to-treat neuroendocrine tumors and sarcomas.

ONC206 possesses a ~10-fold increased affinity for DRD2 compared to ONC201 with a K_i of ~320nM with selectivity that was superior to approved antipsychotics.

ONC206 is highly efficacious in neuroblastoma (GI50 87-589nM) including cell lines derived from metastatic sites and with MYCN amplification associated with poor prognosis.

ONC206 (100 mg/kg PO every 10 days) causes significant tumor growth inhibition in MHH-ES-1 athymic nude mice xenografts.

References

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

E-mail: tech@probechem.com