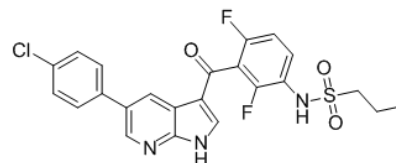


Product Name : Vemurafenib
Cat. No. : PC-42871
CAS No. : 918504-65-1
Molecular Formula : C₂₃H₁₈ClF₂N₃O₃S
Molecular Weight : 489.9221
Target : Raf
Solubility : DMSO: 6.2 mg/mL



Biological Activity

Vemurafenib (PLX4032, RG7204, RO5185426) is a potent, selective **B-RAF V600E** inhibitor with IC₅₀ of 30 nM, displays similar potency for c-RAF-1 (IC₅₀=48 nM), and has selectivity against many other kinases, including wild type B-RAF (IC₅₀=100nM).

Vemurafenib (PLX4032) potently inhibits proliferation of a panel of tumor cell lines, selectively blocks the RAF/MEK/ERK pathway in BRAF mutant cells.

Vemurafenib (PLX4032) causes tumor regressions and improves animal survival in tumor xenograft models of BRAF(V600E)-expressing melanoma.

References

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

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