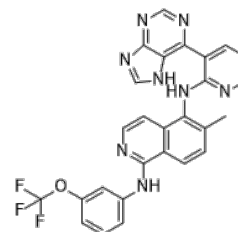


Product Name : LUT014
Cat. No. : PC-27489
CAS No. : 2274819-46-2
Molecular Formula : C₂₇H₁₉F₃N₈O
Molecular Weight : 528.50
Target : Raf
Solubility : 10 mM in DMSO



Biological Activity

Omziraferib (LUT014, LUT-014) is a potent and specific, topical **BRAF kinase** inhibitor with IC₅₀ of 13.3 nM and 11.7 nM for BRAF-V600E and WT BRAF respectively, paradoxically activates mitogen-activated protein kinase (MAPK).

LUT014 shows clear selectivity in vitro kinase inhibition profiling study against 59 human recombinant kinases.

inhibits proliferation of the KRASG12C-mutated human pancreatic cancer cell line MIA-PaCa-2.

LUT014 overrides the MAPK pathway inhibition, resulting in an increase in phosphorylated ERK1/2 (pERK) signaling in skin cells.

LUT014 could improve skin toxicities induced by EGFR inhibitors.

References

Lacouture ME, et al. *Cancer Discov.* 2021 Sep;11(9):2158-2167.

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

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