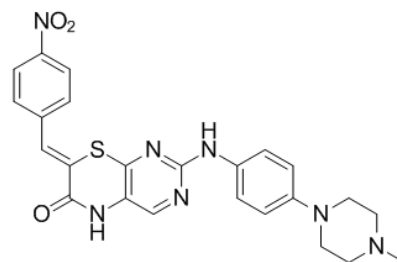


Product Name : ON 146040
Cat. No. : PC-42987
CAS No. : 1404231-34-0
Molecular Formula : C₂₄H₂₃N₇O₃S
Molecular Weight : 489.5495
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

ON 146040 is a potent, dual **PI3K/BCR-ABL** inhibitor with IC₅₀ of 14/20 nM for PI3K α/δ , IC₅₀ of 20 nM for BCR/ABL. ON 146040 displays no significant effect on PI3K β/γ isoforms (IC₅₀=3/1 μ M), also inhibits Abl1 and several mutant versions of Abl (IC₅₀<150 nM) but not the T315I mutant. ON 146040 abrogates the oncogenic signaling of STAT3 and STAT5. ON 146040 is highly potent in killing hematologic tumor cells with IC₅₀ values of 150-1,000 nM, down-regulates STAT3 and STAT5 phosphorylation in leukemia and myeloma cells.

References

Stephen Cosenza, et al. Targeting oncogenic STAT3 and STAT5 signaling with on 146040, a small molecule inhibitor of PI3K α/δ and BCR-ABL.

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

E-mail: tech@probechem.com