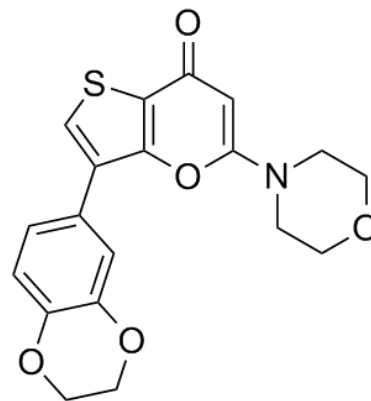


Product Name : SF2523
Cat. No. : PC-42326
CAS No. : 1174428-47-7
Molecular Formula : C₁₉H₁₇NO₅S
Molecular Weight : 371.40698
Target : PI3K
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

SF2523 is a potent, dual inhibitor of **PI3K** and **BRD4** with IC₅₀ of 241, 34, 158 nM for BRD4 (BD1), PI3K α and PI3K γ , respectively.

SF2523 interacts robustly with the full-length BRD4 (K_d=140 nM) and BRD4(BD1) (K_d=150 nM), binds more weakly BRD4(BD2) (K_d = 710 nM).

SF2523 blocks MYC expression and activation, promotes MYC degradation, and markedly inhibits cancer cell growth and metastasis both in vitro and in vivo.

References

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Carlino L, et al. *J Med Chem*. 2016 Oct 27;59(20):9305-9320.

Shen G, et al. *Biochem Biophys Res Commun*. 2017 Nov 10. pii: S0006-291X(17)32240-4.

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

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