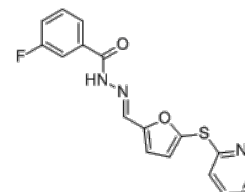


Product Name : MLS000544460
Cat. No. : PC-72461
CAS No. : 352336-36-8
Molecular Formula : C₁₇H₁₂FN₃O₂S
Molecular Weight : 341.36
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MLS000544460 (EYA2i) is a specific, allosteric inhibitor of **Eya2 phosphatase** with IC₅₀ of 4.1 uM, KD of 2.0 uM, does not bind Eya3 ED, Eya1 and Eya4 ED.

MLS000544460 inhibits Eya2-mediated cell migration.

MLS000544460 decreased mesenchymal phenotypes and enhanced cancer cell immunogenicity, resulting in attenuated tumor growth and metastasis.

MLS000544460 treatment increased infiltration of cytotoxic T and NK cells, and enhanced anti-PD-1 therapy response in mouse tumor models.

Inhibition of the EYA2 Tyr phosphatase activity via MLS000544460, mimicked EYA2 loss in glioblastoma stem cells (GSCs) in vitro and extended the survival of tumor-bearing mice.

References

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Krueger AB, et al. *J Biol Chem*. 2014 Jun 6;289(23):16349-61.

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

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