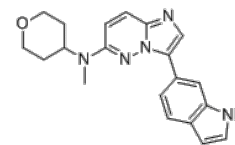


Product Name : SRI-42127
Cat. No. : PC-47001
CAS No. : 2727872-68-4
Molecular Formula : C₂₀H₂₁N₅O
Molecular Weight : 347.422
Target : Human Antigen R (HuR)
Solubility : 10 mM in DMSO



Biological Activity

SRI-42127 is a small molecule, BBB-permeable inhibitor of the RNA regulator **HuR**, inhibits HuR dimerization with IC₅₀ of 1.2 μM in cell-based assays, prevents HuR oligomerization.

SRI-42127 suppressed glioma progression in U251, LN229, and the PDGx XD456 glioma cell lines with IC₅₀ of 2.8-4.0 μM.

SRI-42127 induced apoptosis and reduce tumorigenicity in established and PDGx glioma cell lines.

SRI-42127 (15 mg/kg) exhibited encouraging glioma-inhibitory potential in vivo.

SRI-42127 potently attenuated glial activation in model of lipopolysaccharide-induced neuroinflammation.

References

Filippova N, et al. *Cancer Res.* 2021 Apr 15;81(8):2220-2233.

Chellappan R, et al. *Glia.* 2022 Jan;70(1):155-172.

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

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