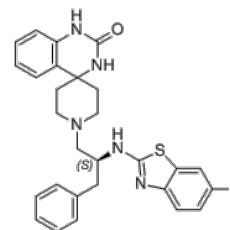


Product Name : NVS-ZP7-4
Cat. No. : PC-35995
CAS No. : 2349367-89-9
Molecular Formula : C₂₈H₂₈FN₅OS
Molecular Weight : 501.624
Target : Notch
Solubility : 10 mM in DMSO



Biological Activity

NVS-ZP7-4 is specific small molecule inhibitor of **SLC39A7 (ZIP7)**, inhibits **Notch** signaling with IC₅₀ of 0.13 μM in HES-Luc reporter gene assays, selectively induces apoptosis and ER stress.

The V430E mutation in ZIP7 can confer transferable resistance to the compound NVS-ZP7-4.

NVS-ZP7-4 is the first reported chemical tool to probe the impact of modulating ER zinc levels and investigate ZIP7 as a novel druggable node in the Notch pathway.

References

Nolin E, et al. *Nat Chem Biol.* 2019 Jan 14. doi: 10.1038/s41589-018-0200-7.

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

E-mail: tech@probechem.com