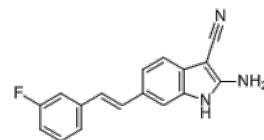


Product Name : GSK2643943A
Cat. No. : PC-20184
CAS No. : 2449301-27-1
Molecular Formula : C₁₇H₁₂FN₃
Molecular Weight : 277.30
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



(E)-2-amino-6-(3-fluorostyryl)-1H-indole-3-carbonitrile

Biological Activity

GSK2643943A is a specific, cell penetrant small molecule inhibitor of deubiquitinating enzyme USP20 with IC₅₀ of 160 nM (USP20/Ub-Rho).

GSK2643943A blocked the USP20-mediated cleavage of protein-ubiquitin bonds.

GSK2643943A (1 μM) influences oHSV-1 T1012G productive infection and viability in SCC9 cells.

GSK2643943A treatment potentiated oHSV-1-induced oncolysis in SCC9 tumors.

GSK2643943A treatment boosted the anti-tumor effects of oHSV-1 T1012G in SCC7 tumors in mice.

References

Lu R, et al. Mol Ther Oncolytics. 2021 Nov 11;23:477-487.

Mark Kemp. Prog Med Chem. 2016; 55: 149–192.

Biju M, et al. Discovery of potent and selective small molecule USP20 inhibitors. Poster presented at ubiquitin drug discovery and diagnostics, Philadelphia; 2012.

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

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