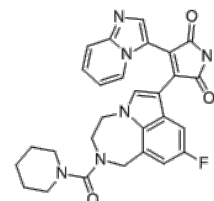


Product Name : LY2090314
Cat. No. : PC-20193
CAS No. : 603288-22-8
Molecular Formula : C₂₈H₂₅FN₆O₃
Molecular Weight : 512.55
Target : GSK-3
Solubility : 10 mM in DMSO



Biological Activity

LY2090314 is a potent and selective ATP-competitive inhibitor of Glycogen synthase kinase-3 (GSK-3) with IC₅₀ of 1.5/0.9 nM for GSK3 α /GSK3 β , respectively.

LY2090314 stimulated TCF/LEF TOPFlash reporter activity, stabilized β -catenin and elevated the expression of Axin2 in a panel of melanoma cell lines at nM potency.

LY2090314 exhibited cytotoxicity against melanoma cell lines in vitro with IC₅₀ of 10 nM, but not other solid tumor cell lines (IC₅₀ >10 μ M).

LY2090314 elevates Axin2 gene expression after a single dose and produces tumor growth delay in A375 melanoma xenografts with repeat dosing.

References

Atkinson JM, et al. PLoS One. 2015 Apr 27;10(4):e0125028.

Rizzieri DA, et al. Leuk Lymphoma. 2016 Aug;57(8):1800-6.

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

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