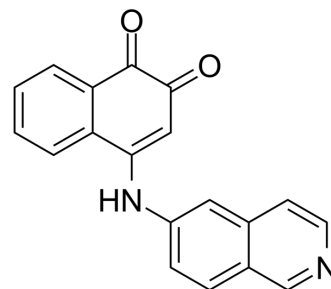


YZ129

Cat. No.:	HY-114413		
CAS No.:	1643120-60-8		
Molecular Formula:	C ₁₉ H ₁₂ N ₂ O ₂		
Molecular Weight:	300.31		
Target:	HSP; Apoptosis		
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5.6 mg/mL (18.65 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.3299 mL	16.6495 mL	33.2989 mL
5 mM	0.6660 mL	3.3299 mL	6.6598 mL
10 mM	0.3330 mL	1.6649 mL	3.3299 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

YZ129 is an inhibitor of the HSP90-calcineurin-NFAT pathway against glioblastoma, directly binding to heat shock protein 90 (HSP90) with an IC₅₀ of 820 nM on NFAT nuclear translocation. YZ129-induced GBM cell-cycle arrest at the G2/M phase promotes apoptosis and inhibited tumor cell proliferation and migration^[1].

IC₅₀ & Target

HSP90

REFERENCES

[1]. Liu Z, et al. Discovery of Small-Molecule Inhibitors of the HSP90-Calcineurin-NFAT Pathway against Glioblastoma. Cell Chem Biol. 2018 Nov 30. pii: S2451-9456(18)30431-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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