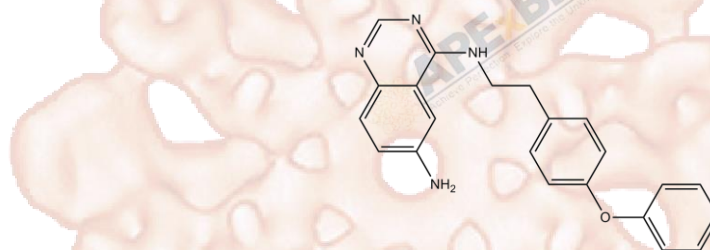


Product Data Sheet

QNZ (EVP4593)

Cat. No.:	A4217
CAS No.:	545380-34-5
Formula:	C ₂₂ H ₂₀ N ₄ O
M.Wt:	356.42
Synonyms:	
Target:	Immunology/Inflammation
Pathway:	NF-κB
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥10.06 mg/mL in EtOH with ultrasonic; ≥15.05 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.8057 mL	14.0284 mL	28.0568 mL
	5 mM	0.5611 mL	2.8057 mL	5.6114 mL
	10 mM	0.2806 mL	1.4028 mL	2.8057 mL

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

Biological Activity

Shortsummary

Potent NF-κB inhibitor

IC₅₀ & Target

11 nM (in human Jurkat cell line) (NF-κB)

In Vitro

Cell Viability Assay

Cell Line:	YAC128 medium spiny neurons primary cultures
Preparation method:	The solubility of this compound in DMSO is >15.05mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	300 nM

	Applications:	In YAC128 MSN neurons, the main locus of pathology in HD (Huntington's disease), EVP4593 (300 nM) resulted in strong attenuation of Store-operated Ca ²⁺ entry (SOC) influx.
In Vivo	Animal experiment	
	Applications:	
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

1. Yen TH, Hsieh CL, et al. "Amentoflavone Induces Apoptosis and Inhibits NF- κ B-modulated Anti-apoptotic Signaling in Glioblastoma Cells." In Vivo. 2018 Mar-Apr;32(2):279-285. PMID:29475910
2. YU-CHANG LIU, RENG-HONG WU, et al. "Regorafenib diminishes the expression and secretion of angiogenesis and metastasis associated proteins and inhibits cell invasion via NF- κ B inactivation in SK-Hep1 cells." Received February 19, 2016; Accepted January 12, 2017

See more customer validations on www.apexbt.com.

References

- [1] Wu J, Shih H P, Vigont V, et al. Neuronal store-operated calcium entry pathway as a novel therapeutic target for Huntington's disease treatment[J]. Chemistry & biology, 2011, 18(6): 777-793.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology
www.apexbt.com



