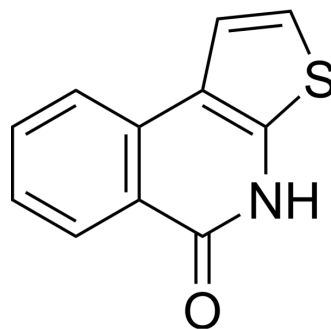


TIQ-A

Cat. No.:	HY-121719		
CAS No.:	420849-22-5		
Molecular Formula:	C ₁₁ H ₇ NOS		
Molecular Weight:	201.24		
Target:	PARP		
Pathway:	Cell Cycle/DNA Damage; Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (621.15 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.9692 mL	24.8460 mL	49.6919 mL
	5 mM	0.9938 mL	4.9692 mL	9.9384 mL
	10 mM	0.4969 mL	2.4846 mL	4.9692 mL

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

BIOLOGICAL ACTIVITY

Description

TIQ-A is a potent TNKS (poly-ART, PARP) inhibitor, with an IC₅₀ of 24 nM for TNKS2. TIQ-A is a potential anti-ischemic agent^[1].

IC₅₀ & Target

TNKS2 24 nM (IC ₅₀)	PARP2 210 nM (IC ₅₀)	PARP15 230 nM (IC ₅₀)	PARP10 >10 μM (IC ₅₀)
PARP14 >10 μM (IC ₅₀)			

REFERENCES

[1]. Maksimainen MM, et al. Analogs of TIQ-A as inhibitors of human mono-ADP-ribosylating PARPs. Bioorg Med Chem. 2021 Dec 15;52:116511.

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

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