

4-HQN, PARP inhibitor

Catalog	Unit
TBI1307 - 1G	1 g

Product Details

Formal Name: 4-(1H)-Quinazolinone

Molecular Formula: C₈H₆N₂O

Formula Weight: 146.15

CAS Number: 491-36-1

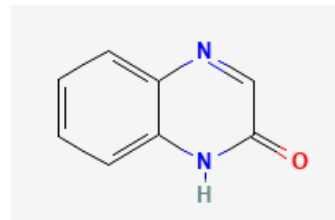
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 14 mg/ml) or in Water (up to 1 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

PARP inhibitor

Functions

Inhibitor of poly (ADP-ribose) polymerase (PARP) (IC₅₀ = 9.5 μM). Displays mixed inhibition with respect to NAD⁺. Protective against ischemia-reperfusion induced ROS production, and subsequent mitochondrial and cell damage in rat heart. Anti-inflammatory in LPS-induced endotoxic mice in vivo; decreases NF-κB and AP-1 activation.

Application Procedures

First dissolved in DMSO (up to 14 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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