

360A (iodide)

Catalog No: tcsc1560



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

737763-37-0

Formula:

$C_{27}H_{23}I_2N_5O_2$

Pathway:

Cell Cycle/DNA Damage;Cell Cycle/DNA Damage

Target:

Telomerase;G-quadruplex

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

360 A iodide

Observed Molecular Weight:

703.31

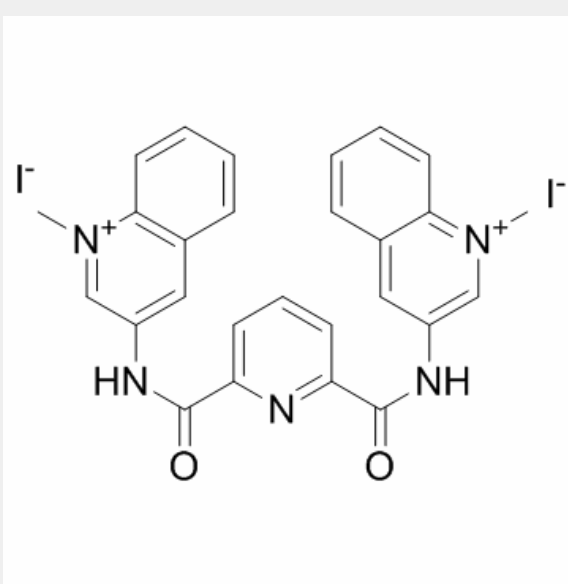
Product Description

360A iodide is a selective stabilizer of **G-quadruplex**, and also inhibits **telomerase** activity with an **IC₅₀** of 300 nM for telomerase in TRAP-G4 assay.

IC50 & Target: IC50: 300 nM (Telomerase)^[1]

G-quadruplex^[1]

In Vitro: 360A iodide inhibits telomerase activity and stabilizes G-quadruplex, with an IC₅₀ of 300 nM for telomerase in TRAP-G4 assay. 360A reduces the viability of glioma cell lines, such as T98G, CB193, U118-MG, SAOS-2 and Primary astrocytes, with IC₅₀s of $4.8 \pm 1.1 \mu\text{M}$, $3.9 \pm 0.4 \mu\text{M}$, $8.4 \pm 0.5 \mu\text{M}$, $>15 \mu\text{M}$ and $17.4 \pm 1.2 \mu\text{M}$, respectively^[1]. 360A causes Rad51-dependent telomere aberrations preferentially involving the lagging strand telomeres, including telomere losses or telomere doublets, and induces DNA-PKcs-dependent sister telomere fusions^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!