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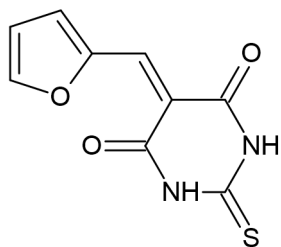
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## Tdp1 Inhibitor, CD00509

**ALTERNATE NAME:** CD00509

**CATALOG #:** AUR11042

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>9</sub>H<sub>6</sub>N<sub>2</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 222.22

**CAS#:** N/A

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO

**PURITY:** ≥97% by LCMS

**STORAGE:** Store at +2°C to +8°C; Protect from air and light

**DESCRIPTION:** CD00509 is a potent and specific inhibitor of tyrosyl-DNA phosphodiesterase 1 (Tdp1; IC<sub>50</sub> = 710 nM) and increases the number of γ-H2AX foci in MCF-7 cells. Shown to sensitize MCF-7 cells to camptothecin (CPT), increase DNA breaks, and reduce cell proliferation.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure