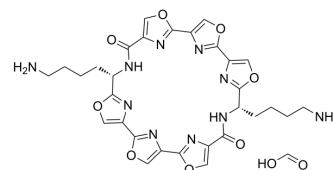


L2H2-60TD formic

Cat. No.: HY-148200A
Molecular Formula: C₃₁H₃₂N₁₀O₁₀
Molecular Weight: 704.65
Target: Telomerase
Pathway: Cell Cycle/DNA Damage
Storage: 4°C, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (141.91 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.4191 mL	7.0957 mL	14.1914 mL
	5 mM		0.2838 mL	1.4191 mL	2.8383 mL
	10 mM		0.1419 mL	0.7096 mL	1.4191 mL

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

BIOLOGICAL ACTIVITY

Description

L2H2-60TD acetate contains one to four G-quadruplex binding loops and is a telomere inhibitor analog. L2H2-60TD acetate has telomerase inhibitory activity with an IC₅₀ value of 15 nM^[1].

REFERENCES

[1]. Keisuke Iida, et al. Evaluation of the interaction between long telomeric DNA and macrocyclic hexaoxazole (60TD) dimer of a G-quadruplex ligand. *Molecules*. 2013 Apr 12;18(4):4328-41.

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

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