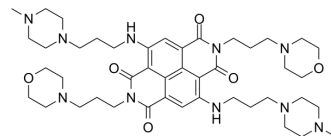


MM41

Cat. No.:	HY-16967	
CAS No.:	1429028-96-5	
Molecular Formula:	C ₄₄ H ₆₆ N ₁₀ O ₆	
Molecular Weight:	831.06	
Target:	G-quadruplex	
Pathway:	Cell Cycle/DNA Damage	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (40.11 mM); ultrasonic and adjust pH to 8 with HCl)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2033 mL	6.0164 mL	12.0328 mL
5 mM	0.2407 mL	1.2033 mL	2.4066 mL
10 mM	0.1203 mL	0.6016 mL	1.2033 mL

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

BIOLOGICAL ACTIVITY

Description

MM41 is a potent stabilizer of human telomeric and gene promoter DNA quadruplexes. MM41 is potently against the MIA PaCa-2 pancreatic cancer cell line with IC₅₀ value of <10 nM^[1].

REFERENCES

[1]. Marialuisa Micco, et al. Structure-based design and evaluation of naphthalene diimide G-quadruplex ligands as telomere targeting agents in pancreatic cancer cells. J Med Chem

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

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