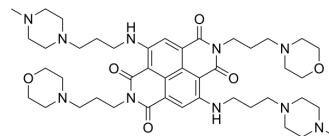


## MM41

<b>Cat. No.:</b>	HY-16967	
<b>CAS No.:</b>	1429028-96-5	
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>66</sub> N <sub>10</sub> O <sub>6</sub>	
<b>Molecular Weight:</b>	831.06	
<b>Target:</b>	G-quadruplex	
<b>Pathway:</b>	Cell Cycle/DNA Damage	
<b>Storage:</b>	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 IC<sub>50</sub> value of <10 nM<sup>[1]</sup>.

### 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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