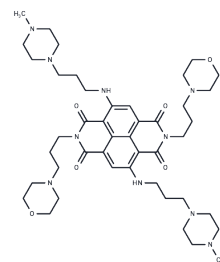


MM41

Chemical Properties

CAS No. :	1429028-96-5
Formula:	C44H66N10O6
Molecular Weight:	831.06
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	MM41 is a human telomeric and gene promoter DNA quadruplex stabilizer with an IC50 of <10 nM against the MIA PaCa-2 pancreatic cancer cell line.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 30 mg/mL (36.1 mM), when pH is adjusted to 8 with HCl. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0241 mL	0.1203 mL	0.2407 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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