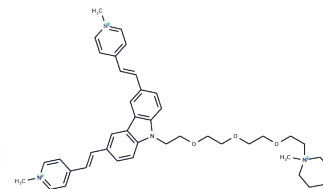


BMVC-8C3O

Chemical Properties

CAS No. :	1301708-12-2
Formula:	C42H53I3N4O3
Molecular Weight:	1042.61
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	BMVC-8C3O is a DNA G-quadruplex (G4) ligand that induces a topological conversion from a nonparallel to parallel form in human telomeric DNA G4.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 45 mg/mL (43.16 mM), 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	0.9591 mL	4.7957 mL	9.5913 mL
5 mM	0.1918 mL	0.9591 mL	1.9183 mL
10 mM	0.0959 mL	0.4796 mL	0.9591 mL
50 mM	0.0192 mL	0.0959 mL	0.1918 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

- Wang ZF, et al. A novel transition pathway of ligand-induced topological conversion from hybrid forms to parallel forms of human telomeric G-quadruplexes. *Nucleic Acids Res.* 2016 May 5;44(8):3958-68.
- Wang ZF, et al. Molecular engineering of G-quadruplex ligands based on solvent effect of polyethylene glycol. *Nucleic Acids Res.* 2012 Sep 1;40(17):8711-20.

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