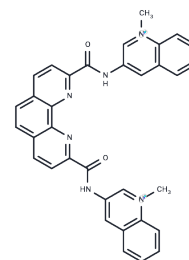


Phen-DC3

Chemical Properties

CAS No. : 942936-75-6
 Formula: C₃₄H₂₆N₆O₂
 Molecular Weight: 550.61
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Phen-DC3 is a G-quadruplex (G4) specific ligand which can inhibit FANCD1 and DinG helicases (IC ₅₀ s of 65±6 and 50±10 nM, respectively).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 34 mg/mL (61.75 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8162 mL	9.0808 mL	18.1617 mL
5 mM	0.3632 mL	1.8162 mL	3.6323 mL
10 mM	0.1816 mL	0.9081 mL	1.8162 mL
50 mM	0.0363 mL	0.1816 mL	0.3632 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.

Reference

Bharti SK, et al. Specialization among iron-sulfur cluster helicases to resolve G-quadruplex DNA structures that threaten genomic stability. J Biol Chem. 2013 Sep 27; 288(39):28217-29.

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