
Product Data Sheet

Product Name: Phen-DC3

Cat. No.: GC30695

Chemical Properties

Cas. No. 942936-75-6

SMILES C[N+]1=C2C=CC=CC2=CC(NC(C3=CC=C4C=CC5=CC=C(C(NC6=C[N+](C)=C7C=CC=CC7=C6)=O)N=C5C4=N3)=O)=C1Formula $C_{34}H_{26}N_6O_2$ M.Wt 550.61Solubility DMSO : ≥ 34 mg/mL (61.75 mM) Storage Store at $-20^{\circ}C$ General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Phen-DC3 is a G-quadruplex (G4) specific ligand which can inhibit FANCD1 and D1G1 helicases with IC50s of 65 ± 6 and 50 ± 10 nM, respectively.

[1]. 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.

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

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