

CRT0063465

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	CRT0063465 is a ligand for both human Phosphoglycerate Kinase 1 (PGK1) and the stress sensor protein DJ-1, exhibiting a dissociation constant (Kd) of 24 μ M for PGK1. Additionally, it influences the composition of the shelterin complex and modulates telomere length [1].
Targets(IC50)	Others,Phosphatase
In vivo	CRT0063465, at concentrations of 10 and 100 nM for up to 84 days, inhibits telomere shortening in HCT116 cells under hypoglycemic conditions [1]. At 10 nM for one week, CRT0063465 modulates the composition of shelterin complexes in HCT116 cells under non-stress conditions [1]. Furthermore, at 100 nM for up to 100 hours, CRT0063465 provides cytoprotective effects against Bleomycin-induced toxicity in A2780 cells [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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