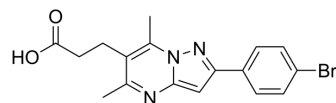


## CRT0063465

Cat. No.:	HY-153917
Molecular Formula:	C <sub>17</sub> H <sub>16</sub> BrN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	374.23
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CRT0063465 is a Ligand of Human PGK1 and Stress Sensor DJ1, with the K <sub>d</sub> of 24 μM of PGK1. CRT0063465 modulates the shelterin complex composition and telomere Length <sup>[1]</sup> .
<b>In Vivo</b>	CRT0063465 (10, 100 nM, up to 84 days) blocks hypoglycemic telomere shortening in TCT116 cells <sup>[1]</sup> . CRT0063465 (10 nM, 1 week) modulates the composition of shelterin complexes in unstressed HCT116 cells <sup>[1]</sup> . CRT0063465 (100 nM, up to 100 h) has protective effect against Bleomycin (HY-17565)-induced cytotoxicity in A2780 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Bilsland AE, et al. A Novel Pyrazolopyrimidine Ligand of Human PGK1 and Stress Sensor DJ1 Modulates the Shelterin Complex and Telomere Length Regulation. *Neoplasia*. 2019;21(9):893-907.

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

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