



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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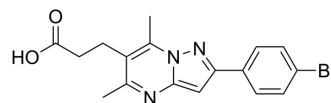
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## CRT0063465

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:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20 mg/mL (53.44 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6722 mL	13.3608 mL	26.7215 mL
	5 mM	0.5344 mL	2.6722 mL	5.3443 mL
	10 mM	0.2672 mL	1.3361 mL	2.6722 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

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>.

#### In Vivo

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.

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

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