

Product Data Sheet

Product Name: CRT0063465

Cat. No.: GC71280

Chemical Properties

Cas. No.

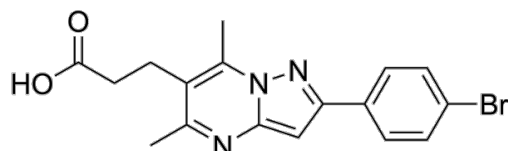
Formula $C_{17}H_{16}BrN_3O_2$ M.Wt 374.23

Solubility DMSO : 20 mg/mL (53.44 mM; Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

CRT0063465 is a Ligand of HumanPGK1 and Stress Sensor DJ1, with the K_d of 24 μ M of PGK1. CRT0063465 modulates the shelterin complex composition and telomere Length.

CRT0063465 (10, 100 nM, up to 84 days) blocks hypoglycemic telomere shortening in TCT116

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

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cells^[1].

CRT0063465 (10 nM, 1 week) modulates the composition of shelterin complexes in unstressed HCT116 cells^[1].

CRT0063465 (100 nM, up to 100 h) has protective effect against Bleomycin -induced cytotoxicity in A2780 cells^[1].

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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