

Product Data Sheet

Product Name: PARP1-IN-8

Cat. No.: GC64578

Chemical Properties

Cas. No. 836640-15-4

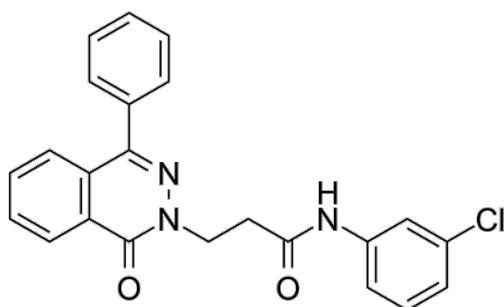
Formula C₂₃H₁₈ClN₃O₂ M.Wt 403.86

Solubility DMSO : 62.5 mg/mL (154.76 mM; Need ultrasonic) 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

PARP1-IN-8 (compound 11c) is a potent and BBB-penetrated PARP1 inhibitor, with an IC₅₀ of 97 nM. PARP1-IN-8 shows significantly potent anti-proliferative activity against Human lung

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

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adenocarcinoma epithelial cell line A549[1].

PARP1-IN-8 (compound 11c) (0-10 μ M, 24-48 h) shows significantly potent anti-proliferative activity against A549 cells[1].

[1]. Almahli H, Hadchity E, Jaballah MY, Daher R, Ghabbour HA, Kabil MM, Al-Shakliah NS, Eldehna WM. Development of novel synthesized phthalazinone-based PARP-1 inhibitors with apoptosis inducing mechanism in lung cancer. Bioorg Chem. 2018 Apr;77:443-456.

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