
Product Data Sheet

Product Name: DRP1i27
 Cat. No.: GC69011

Chemical Properties

Cas. No. 1453028-33-5

Formula $C_{20}H_{26}N_6O$

M.Wt 366.46

Solubility DMSO : 100 mg/mL (272.88 mM; Need ultrasonic) Storage Store at -20°C

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

DRP1i27 is a potent inhibitor of human **Drp1** (dynamin-related protein 1). DRP1i27 binds to the GTPase site of Drp1, with drogen bonds to Gln34 and Asp218. DRP1i27 targets Drp1-mediated mitochondrial fission in cell line models and protects against simulated ischemia-reperfusion injury^[1].

DRP1i27 (0-50 μ M) Drp1 GTPase ^[1]

DRP1i27 (0-50 μ M) Drp1 ^[1]

DRP1i27 SPR 286 μ M^[1] MST K_D 190 μ M^[1]

[1]. Rosdah AA, et al. A novel small molecule inhibitor of human Drp1. Sci Rep. 2022 Dec 13;12(1):21531.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
