

Product Data Sheet

Product Name: DNA2 inhibitor C5

Cat. No.: GC38207

Chemical Properties

Cas. No. 35973-25-2

SMILES O=C(C1=C(O)C2=CC=CC([N+])([O-])=O)=C2N=C1)O

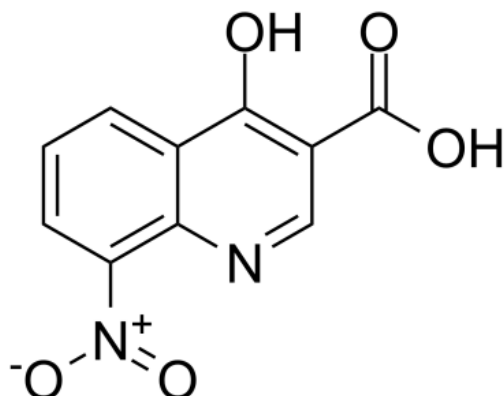
Formula $C_{10}H_6N_2O_5$ M.Wt 234.17

Solubility DMSO: 31.25 mg/mL (133.45 mM) 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

DNA2 inhibitor C5 is a potent, competitive and specific inhibitor of DNA2 nuclease activity with an IC₅₀ of 20 μM. DNA2 inhibitor C5 inhibits nuclease, DNA dependent ATPase, helicase, and DNA binding activities of DNA2. DNA2 inhibitor C5 is a promising lead compound to develop sensitizers for cancer chemotherapeutics that cause replication stress[1].

[1]. Binghui Shen, et al. Dna2 inhibitors for cancer treatment. US20170226063A1.

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