
Product Data Sheet

Product Name: ZC0109
Cat. No.: GC70167

Chemical Properties

Cas. No.

Formula C₂₂H₂₀BrFN₈O₄S

M.Wt 591.41

Solubility DMSO : 50 mg/mL (84.54 mM; ultrasonic and warming and heat to 60°C)

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

IC₅₀: 50 nM (IDO1), 3.0 μM (TrxR1)^[1]

ZC0109 is a dual inhibitor of **Arrested cell cycle at G1/S phase.**

ZC0109 (15, 30, and 60 mg/kg; p.o.; once daily for 28 d) reduces Kyn/Trp metabolism in C57BL/6 mice^[1].

ZC0109 (60 mg/kg; p.o.; once daily for 28 d) decreases tumor growth and increases accumulation and infiltration of T cells in CT-26 cells transplanted immunocompetent BALB/c mice^[1].

[1]. Zhou J, et al. Discovery of novel droxyamidine based indoleamine 2,3-dioxygenase 1 (IDO1) and thioredoxin reductase 1 (TrxR1) dual inhibitors. Eur J Med Chem. 2023 Jan 5;245(Pt 1):114860.

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