
Product Data Sheet

Product Name: TC-E 5008

Cat. No.: GC50129

Chemical Properties

Cas. No. 50405-58-8

SMILES O=C1C=C(C)C=C(CC2=CC=CC=C2)N1OFormula $C_{13}H_{13}NO_2$ M.Wt 215.25

Solubility Soluble in DMSO 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**

Selective mutant isocitrate dehydrogenase 1 (mIDH1) inhibitor ($K_i = 120-190$ nM). Displays >60-fold selectivity for mIDH1 (found in ~75% of gliomas) over wild type IDH1. Also inhibits D-2-hydroxyglutaric acid in cells expressing mIDH1 ($EC_{50} = 2.4$ μ M). Does not display cytotoxicity towards non-cancerous human cells. Phenotypically lethal.

Zheng et al (2013) Crystallographic investigation and selective inhibition of mutant isocitrate dehydrogenase. ACS Med.Chem.Lett. 4 542 PMID:23795241

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

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