

---

**Product Data Sheet**

---

Product Name: MB710  
Cat. No.: GC62629

**Chemical Properties**

Cas. No. 2230044-57-0

Formula  $C_{16}H_{16}N_3O_3S$  M.Wt 457.29

Solubility 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**

MB710, an aminobenzothiazole derivative, is a stabilizer of oncogenic p53 mutation Y220C. MB710 binds tightly to the Y220C pocket and stabilizes p53-Y220C, with a  $K_d$  of 4.1 μM. MB710 shows anticancer activity in p53-Y220C cell lines[1].

MB710 (0-200 μM; 72 hours) shows relatively low toxicity against all cell lines tested at concentrations up to 60 μM, while showing initial selective viability reduction at higher concentrations[1]. MB710 (72 hours) treats cancer cell lines NUGC3, NUGC4, WI38 and SW1088, with  $IC_{50}$ s of 90, 120, >120, >120 μM, respectively[1]. MB710 (0-120 μM; 72 hours; HUH-7 cells) shows stronger cytotoxic effects in presence of p53-Y220C[1].

[1]. Baud MGJ, et al. Aminobenzothiazole derivatives stabilize the thermolabile p53 cancer mutant Y220C and show anticancer activity in p53-Y220C cell lines. Eur J Med Chem. 2018;152:101-114.

**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