
Product Data Sheet

Product Name: 4-(Benzo[d]oxazol-2-yl)aniline

Cat. No.: GC66323

Chemical Properties

Cas. No. 20934-81-0

Formula $C_{13}H_{10}N_2O$

M.Wt 210.23

Solubility DMSO : ≥ 100 mg/mL (475.67 mM)

Storage 4°C, protect from light

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**

4-(Benzo[d]oxazol-2-yl)aniline is a potent antitumor agent. 4-(Benzo[d]oxazol-2-yl)aniline has inhibitory activity against mammary carcinoma cell lines^[1].

4-(Benzo[d]oxazol-2-yl)aniline (compound 5b) (0-100 μ M; 7 days for MCF-7 and 10 days for MDA 468) has inhibitory activity against MCF-7 and MDA 468 mammary carcinoma cell lines^[1].

Cell Proliferation Assay^[1]

Cell Line: MCF-7 and MDA 468

Concentration: 0-100 μ M

Incubation Time: 7 days for MCF-7 and 10 days for MDA 468

Result: Exhibited inhibitory activity against MCF-7 ($IC_{50} > 0.01-0.1$ μ M) and MDA 468 ($IC_{50} > 0.1-1$ μ M).

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