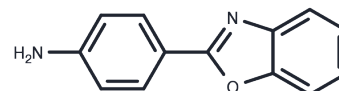


4-(Benzo[d]oxazol-2-yl)aniline

Chemical Properties

CAS No. :	20934-81-0
Formula:	C ₁₃ H ₁₀ N ₂ O
Molecular Weight:	210.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-(Benzo[d]oxazol-2-yl)aniline is a potent antitumor agent that has inhibitory activity against mammary carcinoma cell lines [1].
In vitro	The chemical compound 4-(Benzo[d]oxazol-2-yl)aniline (compound 5b), at concentrations ranging from 0 to 100 μ M, demonstrates inhibitory effects on MCF-7 and MDA 468 breast cancer cell lines over periods of 7 and 10 days, respectively. This activity was assessed using the Cell Proliferation Assay, which revealed that the compound exhibited significant inhibition, with IC ₅₀ values greater than 0.01-0.1 μ M for MCF-7 and 0.1-1 μ M for MDA 468.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7567 mL	23.7835 mL	47.567 mL
5 mM	0.9513 mL	4.7567 mL	9.5134 mL
10 mM	0.4757 mL	2.3783 mL	4.7567 mL
50 mM	0.0951 mL	0.4757 mL	0.9513 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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