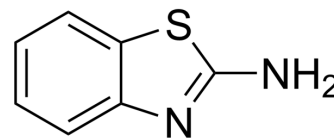


Benzo[d]thiazol-2-amine

Cat. No.:	HY-W017424
CAS No.:	136-95-8
Molecular Formula:	C ₇ H ₆ N ₂ S
Molecular Weight:	150.2
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (665.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	6.6578 mL	33.2889 mL	66.5779 mL
		5 mM	1.3316 mL	6.6578 mL	13.3156 mL
	10 mM	0.6658 mL	3.3289 mL	6.6578 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.64 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.64 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.64 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Benzo[d]thiazol-2-amine is a favorable ligand to synthesize dinuclear complexes which contain nitrogen heterocycle ^[1] .
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REFERENCES

[1]. Gao E, et al. Synthesis, characterization, interaction with DNA, and cytotoxic effect in vitro of new mono- and dinuclear Pd(II) and Pt(II) complexes with benzo[d]thiazol-2-amine as the primary ligand. *Inorg Chem.* 2011 Jun 6;50(11):4732-41.

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

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