2-amino-4-phenyl Thiazole

Catalog No. 13388

CAS Registry No.: 2010-06-2
Formal Name: 4-phenyl-2-thiazolamine
MF: C₉H₈N₂S
FW: 176.2
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Applications
For long term storage, we suggest that ethyl 2-amino-4-phenyl thiazole be stored as supplied at -20°C. It should be stable for at least two years.

2-amino-4-phenyl Thiazole is supplied as a crystalline solid. A stock solution may be made by dissolving the 2-amino-4-phenyl thiazole in an organic solvent purged with an inert gas. 2-amino-4-phenyl thiazole is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of 2-amino-4-phenyl thiazole in these solvents is approximately 10 mg/ml.

2-amino-4-phenyl Thiazole is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 2-amino-4-phenyl thiazole should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. 2-amino-4-phenyl Thiazole has a solubility of approximately 0.1 mg/ml in a 1:10 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

2-amino-4-phenyl Thiazole is a synthetic intermediate useful for pharmaceutical synthesis.

Related Products
ethyl-2-(2-pyridyl)-4-(bromomethyl)-Thiazole-5-Carboxylate - Cat. No. 13007 • 2-(3-pyridyl)-4-methyl-Thiazole-5-Carboxylic Acid - Cat. No. 13036 • 2-(2-pyridyl)-4-methyl-Thiazole-5-Carboxylic Acid - Cat. No. 13047 • 2-(4-Pyridyl)-4-methyl-thiazole-5-Carboxylic Acid - Cat. No. 13049 • ethyl-2-amino-4-methyl-Thiazole-5-Carboxylate - Cat. No. 13059 • 2-amino-5-methyl-4-phenyl-Thiazole - Cat. No. 13061 • 2-methyl-4-phenyl Thiazole - Cat. No. 13386 • ethyl-2-amino-4-phenyl-Thiophene-3-Carboxylate - Cat. No. 13387