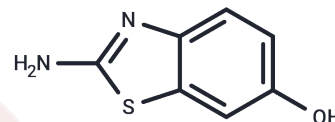


2-aminobenzo[d]thiazol-6-ol

Chemical Properties

CAS No. :	26278-79-5
Formula:	C7H6N2OS
Molecular Weight:	166.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	2-aminobenzo[d]thiazol-6-ol has antimicrobial, antioxidant and anticancer properties and may inhibit the activity of certain cancer cell lines by inducing apoptosis or programmed cell death.
Targets(IC50)	Apoptosis,Antioxidant

Solubility Information

Solubility	DMSO: 50 mg/mL (300.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0168 mL	30.0842 mL	60.1685 mL
5 mM	1.2034 mL	6.0168 mL	12.0337 mL
10 mM	0.6017 mL	3.0084 mL	6.0168 mL
50 mM	0.1203 mL	0.6017 mL	1.2034 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hibi S, et al. Novel dual inhibitors of 5-lipoxygenase and thromboxane A2 synthetase: synthesis and structure-activity relationships of 3-pyridylmethyl-substituted 2-amino-6-hydroxybenzothiazole derivatives. J Med Chem. 1994;37(19):3062-3070.

Dontsov A E, et al. Antioxidant and Antiglication Properties of 6-Hydroxy-2-Aminobenzothiazole N-Acetylcysteinate. Russian Journal of Physical. 2019;13(6): 947-950

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