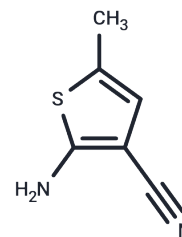


2-Amino-5-methyl-3-thiophenecarbonitrile

Chemical Properties

CAS No. :	138564-58-6
Formula:	C ₆ H ₆ N ₂ S
Molecular Weight:	138.19
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-Amino-5-methyl-3-thiophenecarbonitrile is commonly used in the synthesis of Olanzapine.
Targets(IC50)	Others,COX

Solubility Information

Solubility	DMSO: 55 mg/mL (398 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	7.2364 mL	36.1821 mL	72.3641 mL
5 mM	1.4473 mL	7.2364 mL	14.4728 mL
10 mM	0.7236 mL	3.6182 mL	7.2364 mL
50 mM	0.1447 mL	0.7236 mL	1.4473 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

Tani N, et al. Eur J Med Chem. 2012 Jan;47(1):270-7.

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