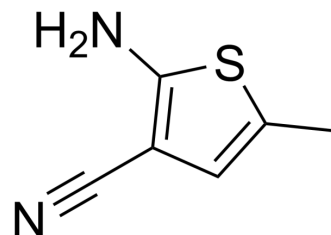


## 2-Amino-5-methylthiophene-3-carbonitrile

Cat. No.:	HY-W015773
CAS No.:	138564-58-6
Molecular Formula:	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> S
Molecular Weight:	138.19
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 (723.64 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

2-Amino-5-methylthiophene-3-carbonitrile can be used in the synthesis of [Olanzapine](#) (HY-14541)<sup>[1]</sup>.

### REFERENCES

[1]. Saadatjoo N, et al. Synthesis of the olanzapine labeled by carbon-14. J Labelled Comp Radiopharm. 2016 Jun 30;59(8):325-7.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA