

## 2-Acetyl-5-methylthiophene

## Chemical Properties

CAS No. :	13679-74-8
Formula:	C7H8OS
Molecular Weight:	140.20
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	2-Acetyl-5-methylthiophene is a natural product with activity against Human cell line SK-OV-3.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80.00 mg/mL (570.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1327 mL	35.6633 mL	71.3267 mL
5 mM	1.4265 mL	7.1327 mL	14.2653 mL
10 mM	0.7133 mL	3.5663 mL	7.1327 mL
50 mM	0.1427 mL	0.7133 mL	1.4265 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

Tavsan Z, et al. Screening organometallic thiophene containing thiosemicarbazone ruthenium (II/III) complexes as potential anti-tumour agents. J Biol Inorg Chem. 2018 May;23(3):425-435.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481