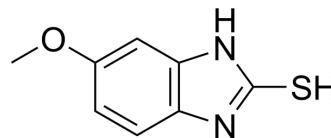


5-Methoxy-2-benzimidazolethiol

Cat. No.:	HY-W008378		
CAS No.:	37052-78-1		
Molecular Formula:	C ₈ H ₈ N ₂ OS		
Molecular Weight:	180.23		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (554.85 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.5485 mL	27.7423 mL	55.4847 mL
	5 mM	1.1097 mL	5.5485 mL	11.0969 mL
	10 mM	0.5548 mL	2.7742 mL	5.5485 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-Methoxy-2-benzimidazolethiol is a benzimidazole. The iodimetric determination of 5-Methoxy-2-benzimidazolethiol in alkaline media is studied^[1].

REFERENCES

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