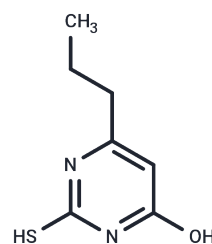


Propylthiouracil

Chemical Properties

CAS No. :	51-52-5
Formula:	C ₇ H ₁₀ N ₂ O ₂ S
Molecular Weight:	170.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Propylthiouracil (6-n-Propylthiouracil) is a thyroid peroxidase inhibitor and also a 5' - deiodinase inhibitor.
Targets(IC50)	Thyroid hormone receptor(THR)

Solubility Information

Solubility	DMSO: 65 mg/mL (381.84 mM),Sonication is recommended. Ethanol: 16 mg/mL (93.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8744 mL	29.372 mL	58.7441 mL
5 mM	1.1749 mL	5.8744 mL	11.7488 mL
10 mM	0.5874 mL	2.9372 mL	5.8744 mL
50 mM	0.1175 mL	0.5874 mL	1.1749 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.

Reference

- Sener G, et al. J Endocrinol,2006, 189(2), 257-269.
 Zamoner A, et al. J Mol Endocrinol,2008, 40(3), 125-135.
 Liu C, et al. Environ Sci Technol,2011, 45(2), 769-775.
 Pantos C, et al. J Endocrinol,2003, 178(3), 427-435.
 Gilbert ME, et al. Brain Res Dev Brain Res,2003, 145(1), 19-29.

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:36 Washington Street,Wellesley Hills,MA 02481