

# 2-Thiouracil

Catalog No: tcsc2704



## Available Sizes

Size: 1g

Size: 5g

Size: 500g



## Specifications

**CAS No:**

141-90-2

**Formula:**

$C_4H_4N_2OS$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Thiouracil

**Observed Molecular Weight:**

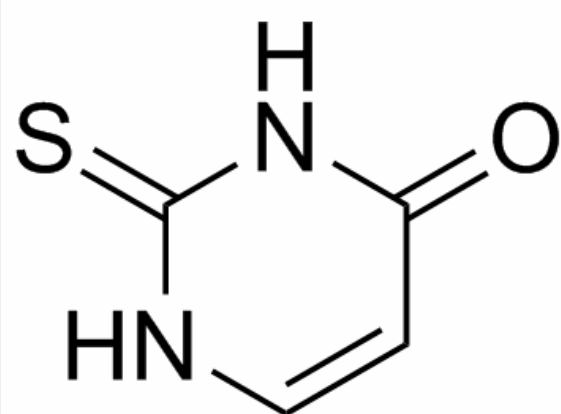
128.15

## Product Description

2-Thiouracil is a thiolated uracil derivative that is a known antihyperthyroid agent.

Target: Others

2-Thiouracil is an established antithyroid drug and an extensively investigated agent for the early detection and targeting of metastatic melanotic melanoma. In addition, 2-Thiouracil is also a selective inhibitor of neuronal nitric oxide synthase antagonising tetrahydrobiopterin-dependent enzyme activation and dimerization. Thiouracil refers both to a specific molecule consisting of a sulfated uracil, and a family of molecules based upon that structure. Thiouracil inhibits thyroid activity by blocking the enzyme thyroid peroxidase [1-3].



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