5-Bromouracil

Cat. No.: HY-W001982

CAS No.: 51-20-7

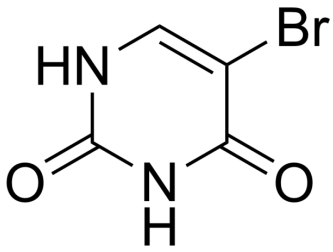
Molecular Formula: $C_4H_3BrN_2O_2$

Molecular Weight: 190.98

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (523.62 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	5.2362 mL	26.1808 mL	52.3615 mL
	5 mM	1.0472 mL	5.2362 mL	10.4723 mL
	10 mM	0.5236 mL	2.6181 mL	5.2362 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (13.09 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (13.09 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (13.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5-Bromouracil is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

5-Bromouracil disrupts nucleosome positioning by inducing A-form-like DNA.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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