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**Product Data Sheet**

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Product Name: 4-Thio-2'-deoxyuridine

Cat. No.: GC68557

**Chemical Properties**

Cas. No. 5580-20-1

Formula  $C_9H_{12}N_2O_4S$  M.Wt 244.27

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

4-Thio-2'-deoxyuridine is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of **apoptosis**, etc<sup>[1]</sup>.

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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