6-Thioguanine

Product Number A 4882
Store at Room Temperature

**Product Description**
Molecular Formula: C₅H₅N₅S
Molecular Weight: 167.2
CAS Number: 154-42-7
λ<sub>max</sub>: 347, 258 nm<sup>1</sup>
Extinction Coefficient: E<sub>mM</sub> 20.9 (347 nm), 8.1 (258 nm) 0.1 M HCl

This product is most commonly used to generate DNA analogues. After incorporation into DNA, this product will inhibit DNA synthesis and can be used to inhibit the growth of neoplasms.<sup>2</sup>

For cell culture applications, please refer to the tissue culture tested product (Product No. A 4660).

**Precautions and Disclaimer**
For Laboratory Use Only. Not for drug, household or other uses.

**Preparation Instructions**
This product is soluble in 1 M NaOH (50 mg/ml), yielding a clear, faint yellow solution. The product is also very slightly soluble in ethanol, insoluble in water and chloroform.<sup>3</sup>

**References**

MWM/RXR 12/02