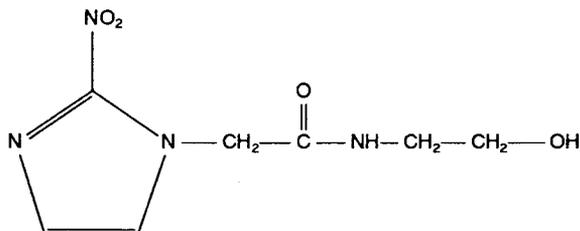


ETANIDAZOLE

NSC - 301467



Chemical Name:

1*H*-Imidazole-1-acetamide, *N*-(2-hydroxyethyl)-2-nitro-

Other Names:

SR-2508

CAS Registry Number: 22668-01-5

Molecular Formula: C₇H₁₀N₄O₄

M.W.: 214.2

Approximate Solubility:

(mg/mL)

Water	> 100
Methanol	60
Ethanol	30
Chloroform	< 1

Stability:

Bulk:

The sample is stable at room temperature for at least one month (HPLC).

Solution:

As a 10% solution in water, the chemical is stable for at least 24 hours (HPLC).

Ultraviolet Absorption:

(0.1 N HCl)

$\lambda_{\max} = 323 \pm 2 \text{ nm}$

$\epsilon = 7,540 - 8,020$

High Performance Liquid Chromatography:

Column: 3.9 mm x 30 cm μ Bondapak C₁₈

Mobile Phase: 100% H₂O

Flow Rate: 1 mL/min

Detection: UV at 254 nm

Sample Preparation: 1 mg/mL in internal standard solution

Internal Standard: 8.6 mg uracil/100mL H₂O

Retention Volume: 8.6 mL (NSC-301467) 5.6 mL (I.S.)

Toxicity Data:

Mouse(ip): LD₅₀: 3300 mg/kg
Radiation Research, 91,186(1982)

Mouse(iv): LD₅₀: 4400 mg/kg
International Journal of Radiation Oncology, Biology and
Physics, 12,1097(1986)