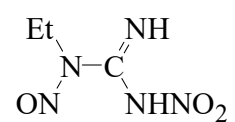




>>Entry Name: *N*-Ethyl-*N'*-nitro-*N*-nitrosoguanidine, 9CI



CAS Registry Number: 4245-77-6

Molecular Formula: C₃H₇N₅O₃

Molecular Weight: 161.12

Accurate Mass: 161.05489

Percentage Composition: C 22.36%; H 4.38%; N 43.47%; O 29.79%

Use/Importance: Used in mutagenesis studies. Precursor to Diazoethane [KFQ56-J](#)

Physical Description: Yellow cryst. (MeOH)

Melting Point: Mp 118-120 dec.°

Hazard & Toxicity: Potent mutagen. Cancer suspect agent. Flammable solid

References:

McKay, A.F. *et al.*, *J.A.C.S.*, 1949, **71**, 1968, (*synth*)

Rainey, W.T. *et al.*, *Biomed. Mass Spectrom.*, 1978, **5**, 395-398, (*ms*)

Sano, T. *et al.*, *Gann*, 1978, **69**, 277-279, (*tox*)

Skinner, W.A. *et al.*, *J. Med. Chem.*, 1996, **2**, 299-333, (*synth*)