



>>Entry Name: Sodium ethanethiolate

Synonym(s): Ethanethiol, sodium salt, 8Cl. Ethyl mercaptan, sodium salt. Sodium ethylmercaptate

CAS Registry Number: 811-51-8

EtSNa

Molecular Formula: C₂H₅NaS

Molecular Weight: 84.117

Accurate Mass: 84.000962

Percentage Composition: C 28.56%; H 5.99%; Na 27.33%; S 38.12%

Source/Synthesis: Obt. by addn. of EtSH to a suspension of NaH in THF or DMF at 0° under N₂

Use/Importance: Efficient reagent for S_N2 dealkylation of esters and aryl ethers. Polym. catalyst

Physical Description: White powder

Aldrich: 35929-7

Fluka: 71208

References:

Koutek, B. *et al.*, *Coll. Czech. Chem. Comm.*, 1968, **33**, 866, (*uses*)

Feutrill, G.I. *et al.*, *Tet. Lett.*, 1970, 1327, (*uses*)

Feutrill, G.I. *et al.*, *Aust. J. Chem.*, 1972, **25**, 1719; 1731, (*uses*)

Mazgarov, A.M. *et al.*, *Neftekhimiya*, 1979, **19**, 897; *CA*, 1980, **92**, 146000, (*hydrol*)

Tiecco, M. *et al.*, *Synthesis*, 1982, 478, (*uses*)

Chen, H.W. *et al.*, *Inorg. Chim. Acta*, 1985, **96**, 137, (*uses*)

Lal, K. *et al.*, *J.O.C.*, 1987, **52**, 1072, (*uses*)