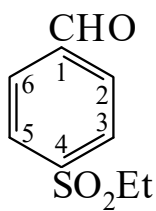




>>Entry Name: 4-(Ethylsulfonyl)benzaldehyde, 9CI



CAS Registry Number: 50899-03-1

Molecular Formula: C₉H₁₀O₃S

Molecular Weight: 198.242

Accurate Mass: 198.035065

Percentage Composition: C 54.53%; H 5.08%; O 24.21%; S 16.18%

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 107-108°

>>**Derivative:** Thiosemicarbazone

Synonym(s): Subathizone, INN. Berculon B. Ethiazone. Ethizone. Ethicetazone. Polyteben. Subatin. Sulzon. SHCH 431

CAS Registry Number: 121-55-1

Molecular Formula: C₁₀H₁₃N₃O₂S₂

Molecular Weight: 271.364

Accurate Mass: 271.044917

Percentage Composition: C 44.26%; H 4.83%; N 15.48%; O 11.79%; S 23.63%

Use/Importance: Antitubercular agent

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 240°

Calculated Log P Data: Log P 1.31 (calc)

References:

Bernstein, J. *et al.*, *J.A.C.S.*, 1951, **73**, 906, (*Subathizone, synth, pharmacol*)

Schukina, M.N. *et al.*, *Zh. Obshch. Khim.*, 1952, **22**, 1659, (*synth*)

Kidd, D.A.A. *et al.*, *J.C.S.*, 1962, 1420, (*synth*)