



>>Entry Name: 4-Acetamidobenzenesulfonyl azide

Synonym(s): 4-(Acetylamino)benzenesulfonyl azide, 9CI



CAS Registry Number: 2158-14-7

Molecular Formula: C₈H₈N₄O₃S

Molecular Weight: 240.242

Accurate Mass: 240.031711

Percentage Composition: C 40.00%; H 3.36%; N 23.32%; O 19.98%; S 13.35%

Use/Importance: Diazo transfer reagent

Physical Description: Prisms (toluene)

Melting Point: Mp 106-108° (108° dec.)

Other Data: Shows low impact sensitivity, considered to be relatively safe in use

Hazard & Toxicity: Undergoes exothermic dec. LD₅₀ (rat, orl) 2400 mg/kg

Aldrich: 40476-4

Fluka: 245

Rare Chemicals Library: S71026-1

Sigma: A4956

References:

Baum, J.S. *et al.*, *Synth. Commun.*, 1987, **17**, 1709, (*synth, bibl, pmr*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1989, **14**, 1, (*use*)

Davies, H.M.L. *et al.*, *J.O.C.*, 1991, **56**, 3817, (*use*)

Brown, D.G. *et al.*, *J.O.C.*, 1996, **61**, 2540, (*synth*)