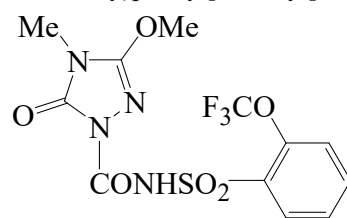




>>Entry Name: Flucarbazone

Synonym(s): 4,5-Dihydro-3-methoxy-4-methyl-5-oxo-*N*-[[2-(trifluoromethoxy)phenyl]sulfonyl]-1*H*-1,2,4-triazole-1-carboxamide, 9CI



CAS Registry Number: 145026-88-6

Molecular Formula: C₁₂H₁₁F₃N₄O₆S

Molecular Weight: 396.303

Accurate Mass: 396.03514

Percentage Composition: C 36.37%; H 2.80%; F 14.38%; N 14.14%; O 24.22%; S 8.09%

Biological Use/Importance: Herbicide. Branched chain amino acid synth. inhibitor

Other: Bayer

>>Derivative: Na salt

Synonym(s): Flucarbazone-sodium, BSI. MKH 6562. SJO 0498

CAS Registry Number: 181274-17-9

Physical Description: Powder

Melting Point: Mp 200 dec.°

pKa Value: pK_a 1.9

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

U.S. Pat., 1996, 5 541 337; *CA*, **125**, 221848j, (*synth*)

Santel, H.J. *et al.*, *Brighton Crop Prot. Conf. - Weeds*, 1999, 23-28, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 357